

Permit Request No.\_

City of Fitchburg Planning/Zoning Department 5520 Lacy Road Fitchburg, WI 53711 (608) 270-4200

# CONDITIONAL USE PERMIT APPLICATION

The undersigned owner, or owner's authorized agent, of property herein described hereby applies for a conditional use permit for the following described property:

Location of Property:     Street Address: McKee Road & Military Ridge Trail City	of Fitchburg, Dane Co. & City of Madison, Dane Co.
Legal Description - (Metes & Bounds, or Lot No. And Plat	
Plat- T06NR09E. Parcels- 60906497401, 60905292702,	
***Also submit in electronic format (MS WORD or plain text	) by email to: PLANNING@FITCHBURGWI.GOV
2. Current Use of Property: Bike path	
3. Proposed Use of Property: Sanitary Interceptor	
4. Proposed Development Schedule: November 2020 to D	ecember 2021
5. Zoning District:	
6. Future Land Use Plan Classification:  ***Pursuant to Section 22-3(b) of the Fitchburg Zoning Ordinal currently adopted City of Fitchburg Comprehensive Plan.	
***Attach three (3) copies of a site plan which shows any proposation and size of all existing and proposed structures and palarger than 11" x 17". Submit one (1) pdf document of the entire	arking areas. Two (2) of the three (3) copies shall be no
Additional information may be requested.	
Type of Residential Development (If Applicable):	
No. of Dwelling Units by Bedroom: 1 BR 2 B	R 3 BR 4 or More
No. Of Parking Stalls:	
Type of Non-residential Development (If Applicable):	
Proposed Hours of Operation:	No. Of Employees:
Floor Area:	No. Of Parking Stalls:
Sewer: Municipal  Private  Wate	er: Municipal Private
Current Owner of Property: City of Fitchburg	
Address: 5520 Lacy Road Fitchburg, WI 53711	
Contact Person: Bill Balke (Fitchburg Director of Public Wor	ks)
Email: Bill.Balke@fitchburgwi.gov	
Address:	Phone No:
Respectfully Submitted By: Kom Lat - MS.	A PROFESSIONAL SERVICES
Owner's or A  ** It is highly recommended that an applicant hold at least application to identify any concerns or issues of surround  PLEASE NOTE - Applicants shall be responsible for legal or of Submissions shall be made at least four (4) weeks prior to des	utside consultant costs incurred by the City.
For City Use Only: Date Received:	Publish:
Ordinance Section No.	Fee Paid:



July 21, 2020

Plan Commission Members City of Fitchburg 5520 Lacy Road Fitchburg, WI 53711

Re: MMSD - Nine Springs Valley Interceptor Improvements

Dear Plan Commission Members:

MSA Professional Services, Inc. (MSA) is working with the Madison Metropolitan Sewerage District (MMSD) on a replacement interceptor project within the City of Fitchburg and City of Madison. MMSD has a need to replace the sanitary interceptor sewer running along the Military Ridge Trail and Cannonball Path between McKee Road and Dunn's Marsh. The existing sanitary sewer is deteriorating based on televising reports and also is determined to be under capacity based on future growth. Project limits begin on the north side of McKee Road along the Military Ridge Trail to Sprocket Dr, and again starting along Cannonball Path approx. 1110 lineal feet north of Sprocket Dr at the Private Road of Truck Drive and continuing to a point approx.1845 lineal feet west of Seminole Hwy. basically being the westerly end of Dunn's Marsh.

Work includes construction of a new sanitary interceptor between the sizes of 36-Inch and 48-Inch along with reconnecting existing local sewers and laterals. The existing sanitary sewer manholes and 42-Inch and 36-Inch sanitary sewer in the project corridor will be abandoned in-place, with a select amount being removed. As a result of construction, a section of existing storm sewer will be replaced and a portion of the existing MMSD ductile iron forcemain will be relayed. The proposed sanitary sewer will replace an existing run of sanitary sewer that's currently along the west side of Military Ridge Trail/north side of Cannonball Path with the majority lying within private property. The new sewer will be placed east/south of the existing sewer primarily within the existing path right-of-way.

1702 Pankratz Street Madison, WI 53704

P (608) 242-7779 TF (800) 446-0679 F (608) 242-5664

www.msa-ps.com

Tree removals and sections of path repair will be necessary where project limits impact the existing path. Path repair includes replacement of curb & gutter, pavement, signage and railing. MSA has been working with the City of Fitchburg staff on improvements where possible and native planting areas along with the removal of invasive species in areas of construction. An alternative analysis was completed on different routes and minimal wetland impacts are anticipated as necessary to complete connections to the existing local sewers. A wetland and tree survey were completed of the area to determine the impacts and to best preserve the quality habitat of the area. Further coordination was also completed with the bicycle community to understand improvements that may be able to be included with the plans

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Plan Commission Members City of Fitchburg July 21, 2020

which includes some additional signage to existing amenities and some radius improvements near the ramp area coming off of McKee Road.

Please let us know if you have any questions that we can help you understand.

Sincerely,

MSA Professional Services, Inc.

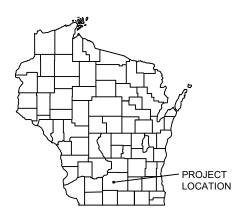
Kevin Lord, PE, PLS

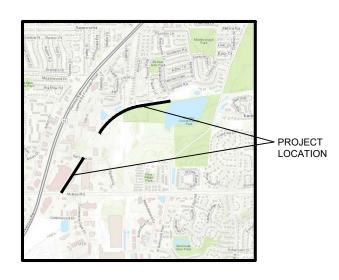
Team Leader

Cc: Rachel Feil, PE, Madison Met. Sewerage District (email)

# NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH

CITIES OF FITCHBURG AND MADISON DANE COUNTY, WISCONSIN





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www.DiggersHotline.com

UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO

### **LEGEND**

-TV-

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OH-

CP.

EXISTING WATER MAIN EXISTING WATER MAIN, VALVE & HYDRAN EXISTING WATER SERVICE & CURB STOP PROPOSED WATER MAIN, VALVE, & HYDRANT PROPOSED WATER SERVICE & CURB STOP EXISTING SANITARY SEWER & MANHOLE

PROPOSED SANITARY SEWER & MANHOLE

EXISTING FORCEMAIN PROPOSED FORCEMAIN

EXISTING STORM SEWER & INLET PROPOSED STORM SEWER & INLET PROPOSED STORM SEWER & MANHOLE

BURIED GAS & VALVE BURIED CABLE TELEVISION BURIED TELEPHONE BURIED FIBER OPTICS

OVERHEAD UTILITY RAILROAD TRACKS **EXISTING CURB & GUTTER** PROPOSED CURB & GUTTER

EXISTING SIDEWALK PROPOSED SIDEWALK EXISTING CULVERT PIPE

PROPOSED CULVERT PIPE

FENCE LINE DRAINAGE ARROW

SILT FENCE RIGHT-OF-WAY

PROPERTY LINE

BASELINE

~~~~~ TREE LINE BENCHMARK IRON PIPE IRON ROD

CONTROL POINT UTILITY POLE & GUY SOIL BORING LIGHT POLE

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PEDESTAL TREE - DECIDUOUS PROPOSED TREE - DECIDUOUS TREE - CONIFEROUS TREE TO BE REMOVED HAND HOLE VENT POLE / BOLLARD

### **UTILITIES**

MG&E 133 S. BLAIR STREET MADISON, WI 53701 CONTACT: HOLLY POWELL OFFICE: (608) 252-7214 EMAIL: HPOWELL@MGE.COM **SEWER & WATER** 

CITY OF FITCHBURG

FITCHBURG WI 53711

OFFICE: (608) 729-1730

SEWER & WATER CONTACT: PHIL MANION

MADISON WIETNO SCHOOL 1610 MOORLAND ROAD MADISON, WI 53713 SEWER CONTACT: RAY SCHNEIDER

OFFICE: (608) 347-3628 EMAIL: RAYS@MADSEWER.ORG

EMAIL: PHILLIP MANION@FITCHBURG.WI.GOV

MADISON METROPOLITAN SEWERAGE DISTRICT

#### ELECTRIC:

MG&E 133 S. BLAIR STREET MADISON, WI 53701 CONTACT: MARK GAUGER OFFICE: (608) 252-1570 EMAIL: MGAUGER@MGE.COM

AT & T 316 W. WASHINGTON AVE. MADISON, WI 53703 CONTACT: LISA GUNDLACH OFFICE: (608) 252-2432 EMAIL: LG6852@ATT.COM

CHARTER COMMUNICATIONS 2701 DANIELS STREET MADISON, WI 53718 CONTACT: BRANDON STORM

EMAIL: BRANDON.STORM@CHARTERCOM.COM

WINDSTREAM CONTACT: CHRISTOPHER WISNOUSKY OFFICE: (800) 289-1901 EMAIL: CHRISTOPHER.WISNOUKY@WINDSTREAM.COM

EXTENT SYSTEMS

3030 WARRENVILLE ROAD LISLE, IL 60532 GENERAL OFFICE: (630) 505-3800 PACKERLAND BROADBAND 105 KENT STREET IRON MOUNTAIN, MI 49801

CONTACT: ANDY HEIGL OFFICE: (906) 776-2609 EMAIL: ANDY HEIGL@PACKERLANDBROADBAND.COM

WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION PROJECT FIELD OFFICE 111 INTERSTATE BLVD. EDGERTON WI 53534 CONTACT: CHRIS FREDRICK, P.E. CONSTRUCTION PROJECT MANAGER FOR VERONA ROAD PROJECT EMAIL: CHRISTOPHER.FREDRICK@DOT.WI.GOV

#### PUBLIC WORKS:

CITY OF FITCHBURG FITCHBURG, WI 53711

OFFICE: (608) 270-4264 EMAIL: BILL BALKE@FITCHBURG.WI.GOV

DESIGNED BY: Init

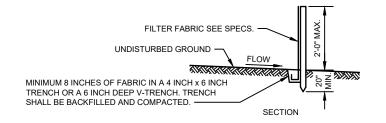
**LOCATION MAP** 

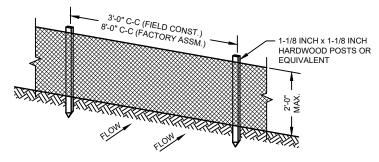


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# CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS

- SECTION NR216.46 OF WISCONSIN STATE ADMINISTRATIVE CODE IDENTIFIES REQUIREMENTS
  FOR CONSTRUCTION SITE AND POST-CONSTRUCTION EROSION CONTROL. IT IS THE INTENT
  OF THESE PLANS TO SATISFY THESE REQUIREMENTS. THE METHODS AND STRUCTURES USED
  TO CONTROL EROSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR
  SHALL IMPLEMENT AN APPROPRIATE MEANS OF CONTROLLING EROSION DURING SITE OPERATION
  AND UNTIL THE VEGETATION IS RE-ESTABLISHED. ADJUSTMENTS TO THE CONTROL SYSTEM
  SHALL BE MADE AS REQUIRED.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WISCONSIN DNR'S
  CONSERVATION PRACTICE STANDARDS. THESE STANDARDS ARE PERIODICALLY UPDATED AND
  IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REFERENCE THE MOST RECENTLY
  RELEASED STANDARD.
- THIS INFORMATION IS ONLY ONE PART OF THE OVERALL EROSION CONTROL REQUIREMENTS.
   ADDITIONAL REQUIREMENTS MAY ALSO BE SHOWN ON THE CONTRACT DRAWINGS AND IN THE
   ACCOMPANYING SPECIFICATIONS.
- ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE OWNER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
- 5. THE AREA OF EROSIVE LAND EXPOSED TO THE ELEMENTS BY GRUBBING, EXCAVATION, TRENCHING, BORROW AND FILL OPERATIONS AT ANY ONE TIME SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT STABILIZATION MEASURES WITHIN 3 WORKING DAYS OF FINAL GRADING.
- 6. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN HAS OCCURRED. ALL NECESSARY REPAIR AND MAINTENANCE WILL BE DONE AT THIS INSPECTION TIME.
- ALL EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE PROPERLY INSTALLED PRIOR
  TO CLEARING AND GRUBBING OPERATIONS WITHIN THEIR RESPECTIVE DRAINAGE AREAS.
  THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION
  IS RE-ESTABLISHED.
- 8. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
- 9. ANY SLOPES STEEPER THAN 3H:1V SHALL BE STAKED WITH EROSION CONTROL FABRIC UNLESS INDICATED ON THE PLAN
- 10. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- 11. WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, OR A TACKING AGENT MAY BE REQUIRED TO PROTECT NEARBY RESIDENCES AND WATER RESOURCES.
- 12. CHANNELIZED RUNOFF ENTERING THE PROJECT SITE FROM ADJOINING LANDS SHALL BE DIVERTED THROUGH NATURALLY OR ARTIFICIALLY EROSION-RESISTANT CONVEYANCES. IF CHANNELIZED RUNOFF CANNOT BE DIVERTED, SITE BEST MANAGEMENT PRACTICES MUST ACCOUNT FOR THE ADDITIONAL FLOW RATES AND EROSION POTENTIAL THAT SUCH RUNOFF PRESENTS.
- 13. THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT SOILS FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED (NOT FLUSHED) PERIODICALLY TO REMOVE SOIL, DIRT, AND/OR DUST.
- 14. EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF TEMPORARY STOCKPILES. ANY SOIL STOCKPILE THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING. ALL STOCK PILES SHALL BE PLACED AT LEAST 75 FEET FROM STREAMS OR WETLANDS.
- 15. ADDITIONAL EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) SHALL INCLUDE THE FOLLOWING:
  - a. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
    b. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
    c. DISCHARGE OF TRENCH WATER OR DEWATERING EFFLUENT MUST BE PROPERLY TREATED
    TO REMOVE SEDIMENT IN ACCORDANCE WITH THE WDNR CONSERVATION PRACTICE
    STANDARD 1061 DEWATERING OR A SUBSEQUENT WDNR DEWATERING STANDARD PRIOR
    TO DISCHARGE INTO A STORM SEWER, DITCH, DRAINAGEWAY, OR WETLAND OR LAKE.
- 16. ALL DRAINAGE CULVERTS, STORM DRAIN INLETS, MANHOLES, OR ANY OTHER EXISTING STRUCTURES THAT COULD BE DAMAGED BY SEDIMENTATION SHALL BE PROTECTED ACCORDING TO THE VARIOUS METHODS PROVIDED IN THE PRINTED CONSERVATION PRACTICE STANDARDS.
- 17. ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
- 18. THE FIRST SIX WEEKS AFTER INITIAL STABILIZATION, ALL NEWLY SEEDED AND MULCHED AREAS SHALL WATERED WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
- 19. WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BMP'S SUCH AS SILT FENCES, STRAW BALES, AND SEDIMENT TRAPS SHALL BE REMOVED AND THESE AREAS STABILIZED.
- 20. ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED.
- 21. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.





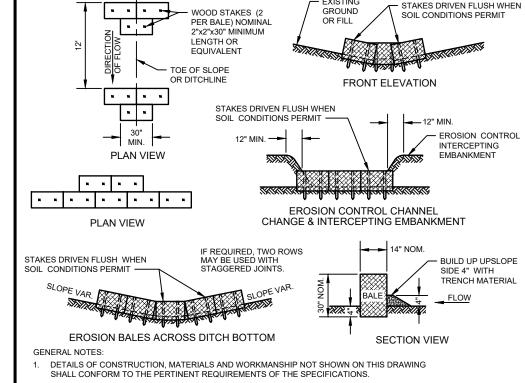
#### PERSPECTIVE VIEW

 ENDS OF FENCE SHALL BE TURNED UPSLOPE 1 TO 2 FEET IN ELEVATION TO PREVENT FLANKING.

GENERAL NOTES:

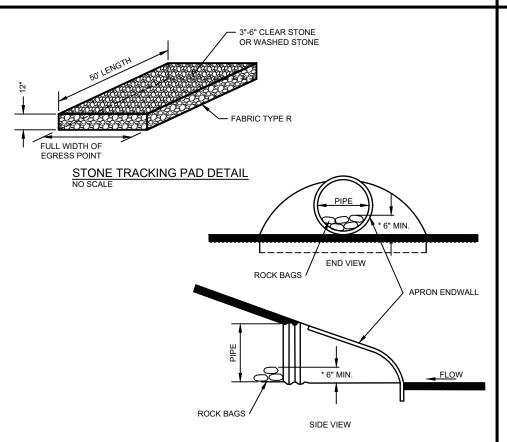
- STAPLE FABRIC WITH 1/2 INCH (MINIMUM) STAPLES TO THE UPSLOPE SIDE OF THE POSTS.
- 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

### TYPICAL SILT FENCE INSTALLATION AT SITE PERIMETER DETAIL

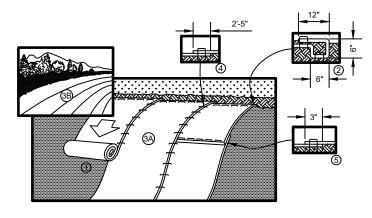


- . BALES SHALL BE PLACED END TO END OR OVERLAPPING AT RIGHT ANGLES TO THE DIRECTION OF FLOW. BALES SHALL EXTEND FAR ENOUGH UP THE SLOPES TO PREVENT ERODING AROUND ENDS.
- 3. BALES SHALL BE PLACED WITH TWINE OR TIE WIRES PARALLEL TO THE GROUND.
- 4. STAKES TO BE BATTERED IN OPPOSITE DIRECTIONS
- 5. BALES SHALL BE EMBEDDED 4 INCHES MINIMUM.

## EROSION BALES IN DRAINAGE WAY DETAIL



CULVERT PIPE CHECKS
INSTALL ON INLET PIPE



- 1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
- 3. ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
- 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5 CM-12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
- 5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE BLANKET WIDTH.

#### NOTE:

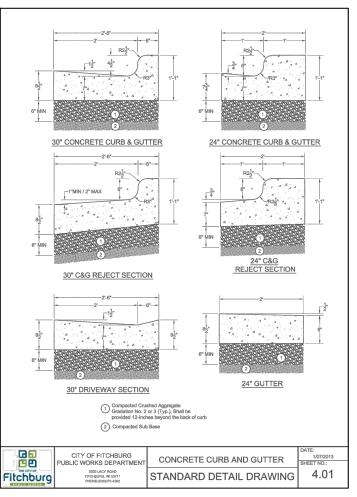
"IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

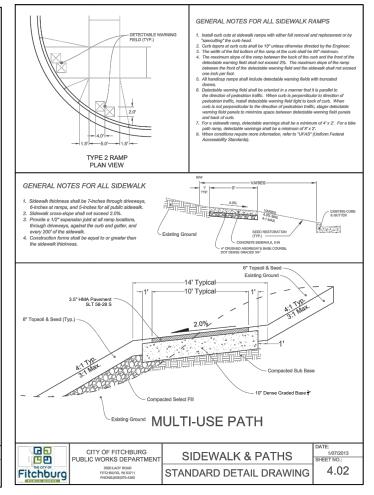
EROSION CONTROL BLANKET DETAIL NO SCALE





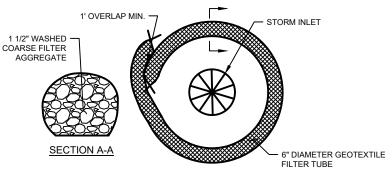
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INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

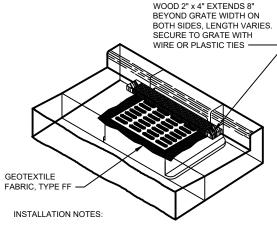
- 1 FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL
- ② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- (3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



#### INSTALLATION AT AREA DRAIN

#### NOTES:

- 1. ANCHOR AS NECESSARY
- MAY ALSO BE USED AS SLOPE BREAK.
- PROVIDE SHALLOW DEPRESSION UPSTREAM FOR SEDIMENT STORAGE WHERE POSSIBLE.
- . OVERLAP ENDS OF BAGS MINIMUM OF 1'.



TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

INLET PROTECTION, TYPE C

FLAP POCKET

## FILTER ROCK LOG DETAIL NO SCALE

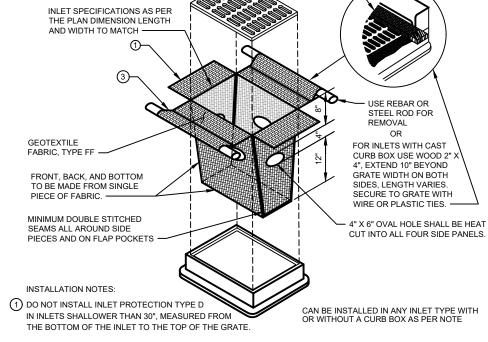
#### NOTES:

- 1. TIGHTLY SEAL SLEEVE AROUND THE PUMP DISCHARGE HOSE WITH A STRAP OR SIMILAR DEVICE
- PLACE FILTER BAG ON SUITABLE BASE (E.G., MULCH, LEAF/WOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES) LOCATED ON A LEVEL OR 5% MAXIMUM SLOPING SURFACE. DISCHARGE TO A STABILIZED AREA. EXTEND BASE A MINIMUM OF 12 INCHES FROM EDGES OF BAG.
- CONTROL PUMPING RATE TO PREVENT EXCESSIVE PRESSURE WITHIN THE FILTER BAG IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. AS THE BAG FILLS WITH SEDIMENT, REDUCE PUMPING RATE.
- 4. REMOVE AND PROPERLY DISPOSE OF FILTER BAG UPON COMPLETION OF PUMPING OPERATIONS OR AFTER BAG HAS REACHED CAPACITY, WHICHEVER OCCURS FIRST. SPREAD THE DEWATERED SEDIMENT FROM THE BAG IN AN APPROVED UPLAND AREA AND STABILIZE WITH SEED AND MULCH BY THE END OF THE WORK DAY. RESTORE THE SURFACE AREA BENEATH THE BAG TO ORIGINAL CONDITION UPON REMOVAL OF THE DEVICE.
- 5. USE NONWOVEN GEOTEXTILE WITH DOUBLE STITCHED SEAMS USING HIGH STRENGTH THREAD. SIZE SLEEVE TO ACCOMMODATE A MAXIMUM 4 INCH DIAMETER PUMP DISCHARGE HOSE. THE BAG MUST BE MANUFACTURED FROM A NONWOVEN GEOTEXTILE THAT MEETS OR EXCEEDS MINIMUM AVERAGE ROLL VALUES (MARV) FOR THE FOLLOWING:

| GRAB TENSILE                | 250 LB                     | ASTM D-4632 |
|-----------------------------|----------------------------|-------------|
| PUNCTURE                    | 150 LB                     | ASTM D-4833 |
| FLOW RATE                   | 70 GAL/MIN/FT <sup>2</sup> | ASTM D-4491 |
| PERMITTIVITY (SEC-1)        | 1.2 SEC-1                  | ASTM D-4491 |
| UV RESISTANCE               | 70% STRENGTH @ 500 HOURS   | ASTM D-4355 |
| APPARENT OPENING SIZE (AOS) | 0.15-0.18 MM               | ASTM D-4751 |
| SEAM STRENGTH               | 90%                        | ASTM        |
| D-4632                      |                            |             |

6. REPLACE FILTER BAG IF BAG CLOGS OR HAS RIPS, TEARS, OR PUNCTURES. DURING OPERATION KEEP CONNECTION BETWEEN PUMP HOSE AND FILTER BAG WATER TIGHT.

NO SCALE



- 2 TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.
- (3) THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION, TYPE D

PUMP DISCHARGE HOSE

12" MIN (TYP)

MULCH, LEAFWOOD COMPOST, WOODCHIPS, SAND, OR STRAW BALES

STRAP

FLOW

FILTER BAG

8" MIN.

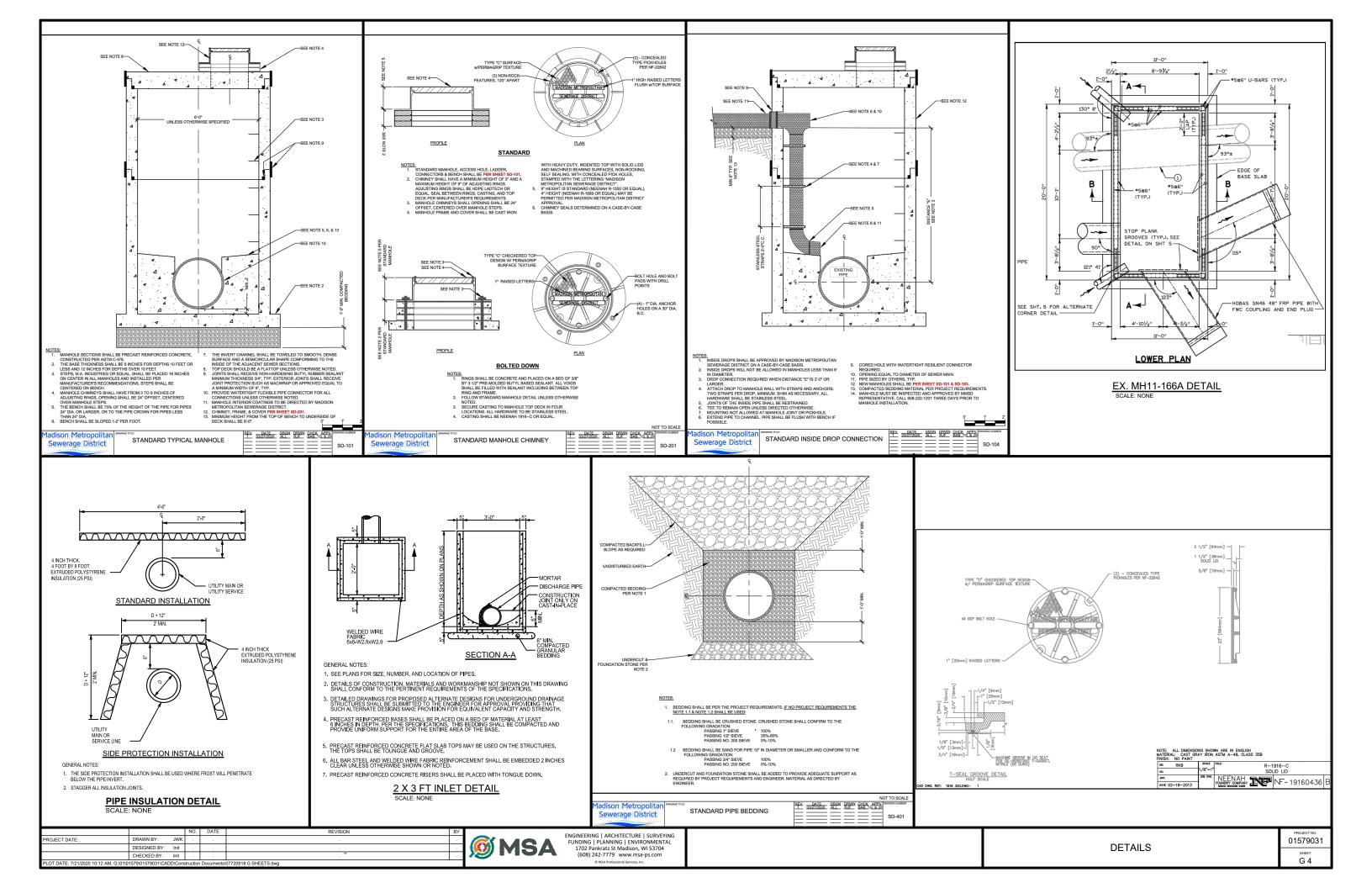
**ELEVATION** 

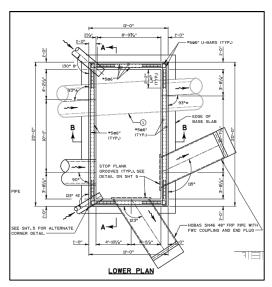


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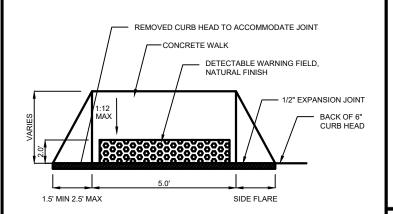
AILS

PROJECT NO. 01579031 SHEET G 3



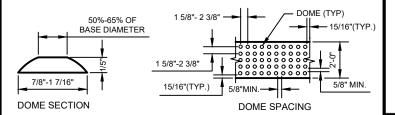


EX. MH11-166A DETAIL SCALE: NONE



#### PEDESTRIAN RAMP

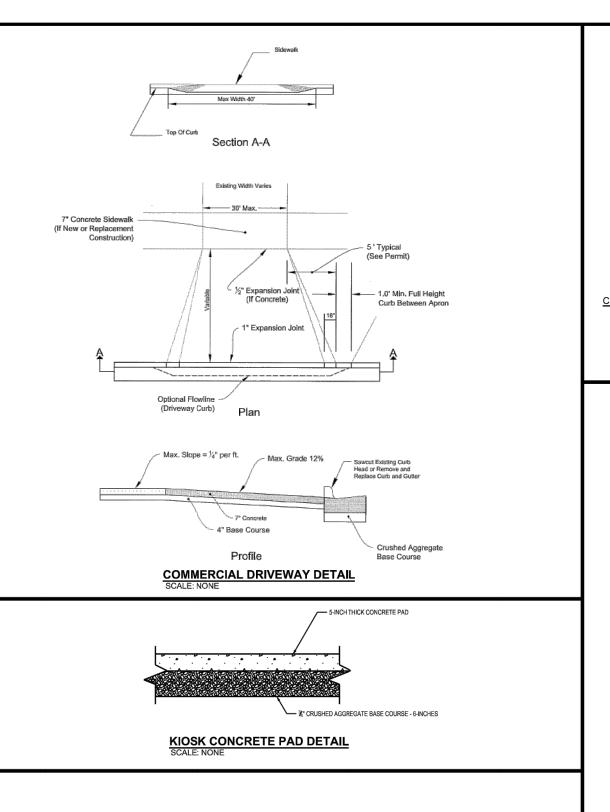
SCALE: NONE

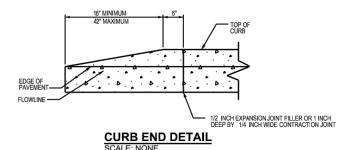


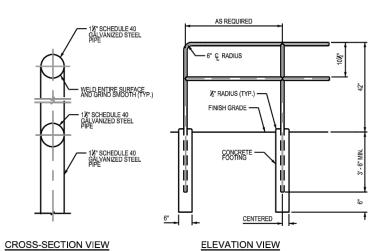
#### NOTES

- 1. ADA REQUIRED TRUNCATED DOME AREA SHALL BE 2' 0" MIN. IN DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH (3' 0" OR 4' 0" TYP.) OF THE CURB RAMP. THIS 2' 0" BY 3' 0" OR 4' 0" WIDTH (TYP.) TRUNCATED DOME AREA SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE. THE ENTIRE TRUNCATED DOME AREA SHALL BE A LIGHT COLOR (LIGHT GRAY, WHITE, OR YELLOW) WHEN THE ADJACENT SIDEWALK IS A DARK COLOR. THE ENTIRE TRUNCATED DOME AREA SHALL BE A DARK COLOR (RED, BLACK, DARK GRAY, OR BRIGHT YELLOW) WHEN THE ADJACENT SIDEWALK IS A "WHITE" OR LIGHT GRAY CEMENT COLOR
- 2. 4' 0" FOR NEW CONSTRUCTION, 3' 0" ALLOWED FOR RETROFITS OR PRESERVATION PROJECTS.

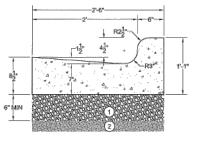
# TRUNCATED DOME DETAIL NO SCALE



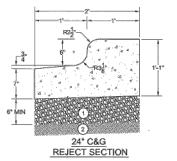


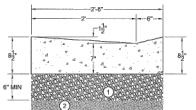


## RAILING DETAIL SCALE: NONE



30" CONCRETE CURB & GUTTER





#### 30" DRIVEWAY SECTION

- Compacted Crushed Aggregate
  Gradation No. 2 or 3 (Typ.), Shall be
  provided 12-inches beyond the back of curb
- Compacted Sub Base

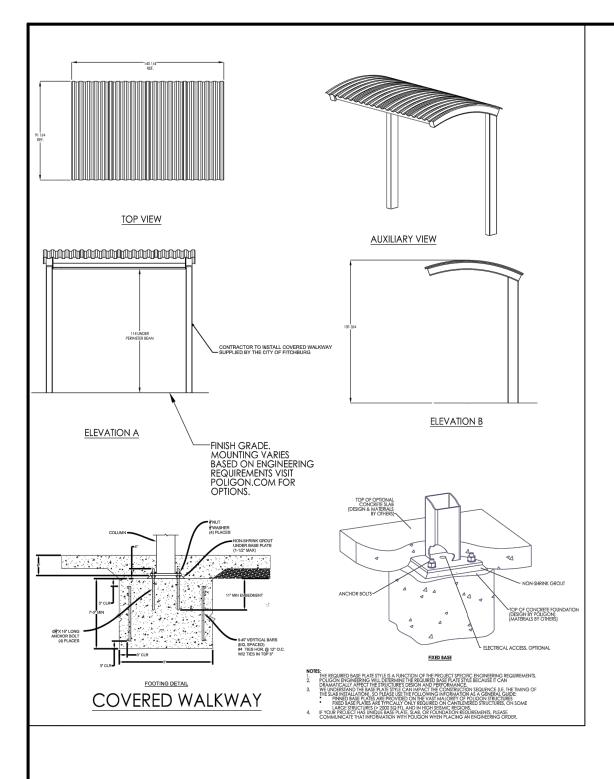
#### **CURB AND GUTTER DETAILS**

SCALE: NONE

|                 |                   | NO. | DATE | REVISION | BY |   |
|-----------------|-------------------|-----|------|----------|----|---|
| PROJECT DATE: . | DRAWN BY: JWK     |     |      |          | -  |   |
|                 | DESIGNED BY: Init |     |      | · _      |    | H |
|                 | CHECKED BY: Init  |     | -    | ."       | -  | 2 |



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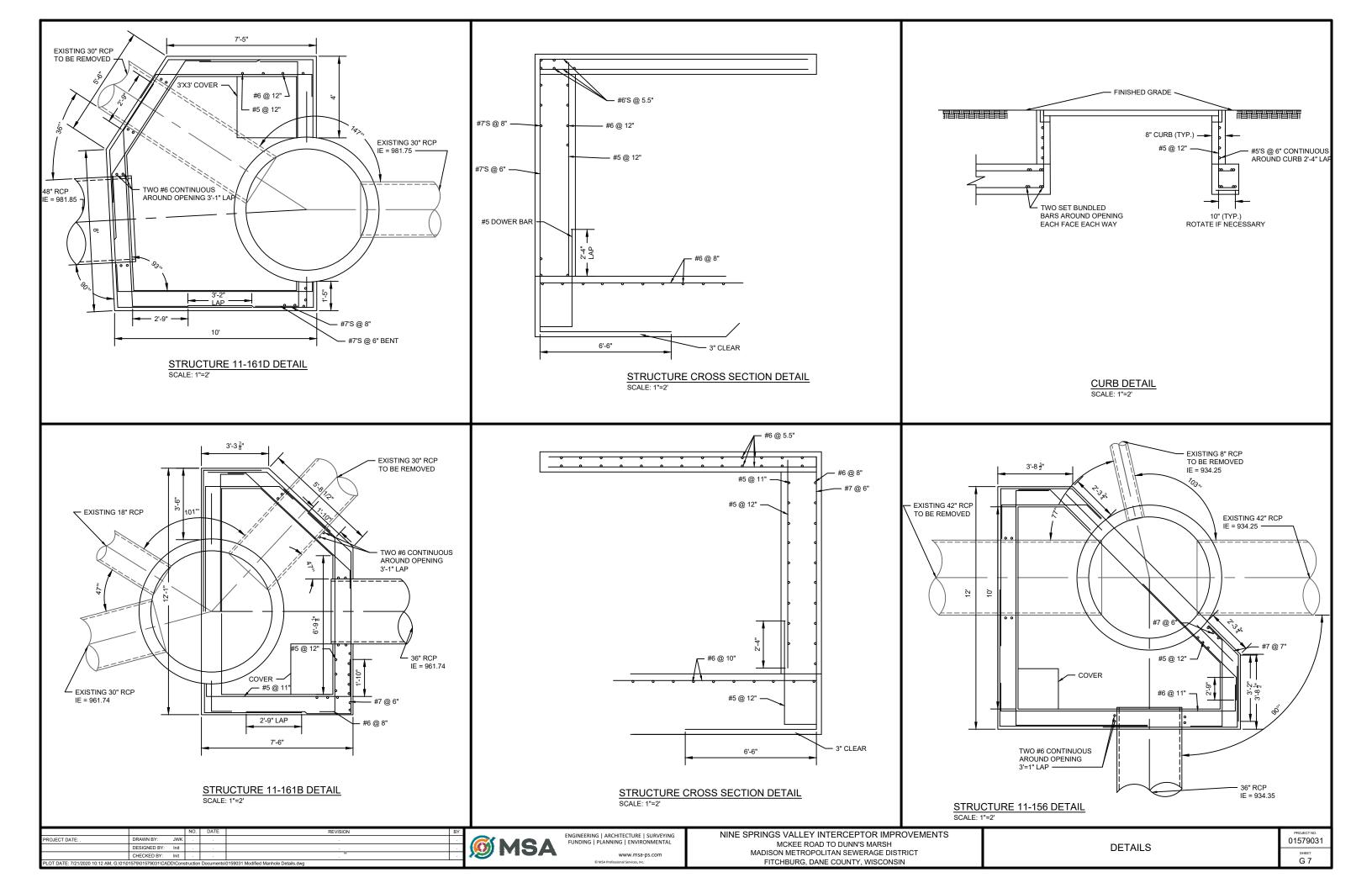


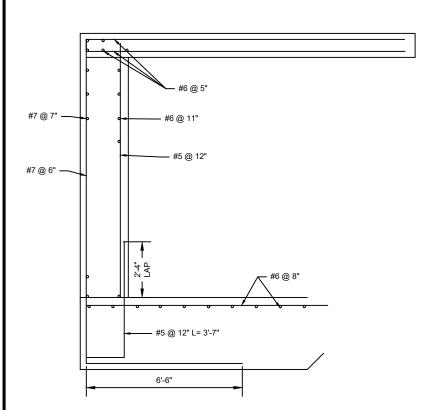
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| PROJECT DATE: .                                                                                           | DRAWN BY: JWK     |     |      | ·        |    |  |  |  |  |
|                                                                                                           | DESIGNED BY: Init |     |      | +_       |    |  |  |  |  |
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01579031

G 6





STRUCTURE CROSS SECTION DETAIL (11-156) SCALE: 1"=2"

|                                                                                                                      |                   | NO. | DATE | REVISION | BY |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------|-------------------|-----|------|----------|----|--|--|--|--|
| PROJECT DATE: .                                                                                                      | DRAWN BY: JWK     |     |      | ·        |    |  |  |  |  |
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ENGINEERING | ARCHITECTURE | SURVEYING FUNDING | PLANNING | ENVIRONMENTAL WWW.MISA-DS COM

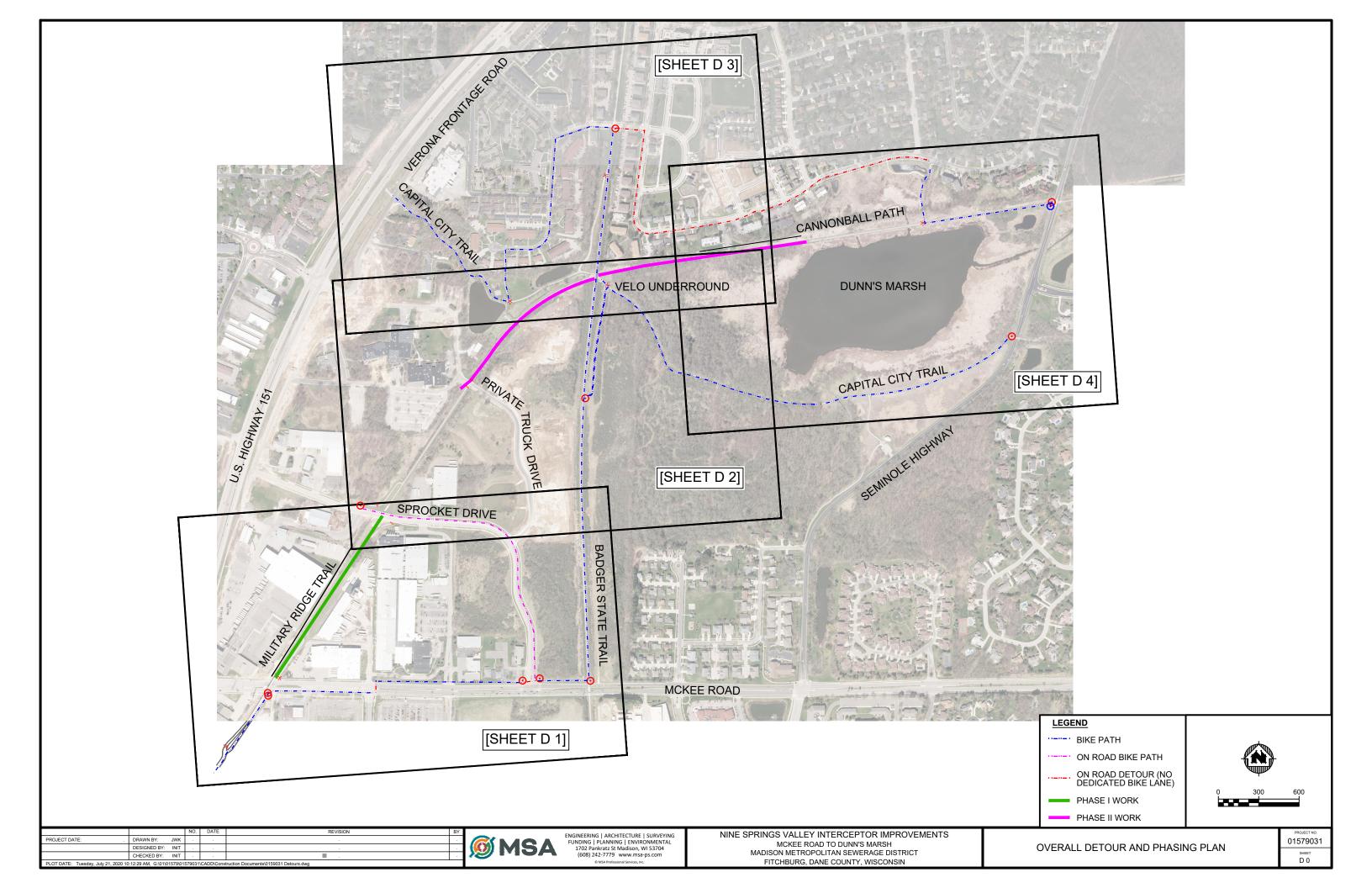
NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS

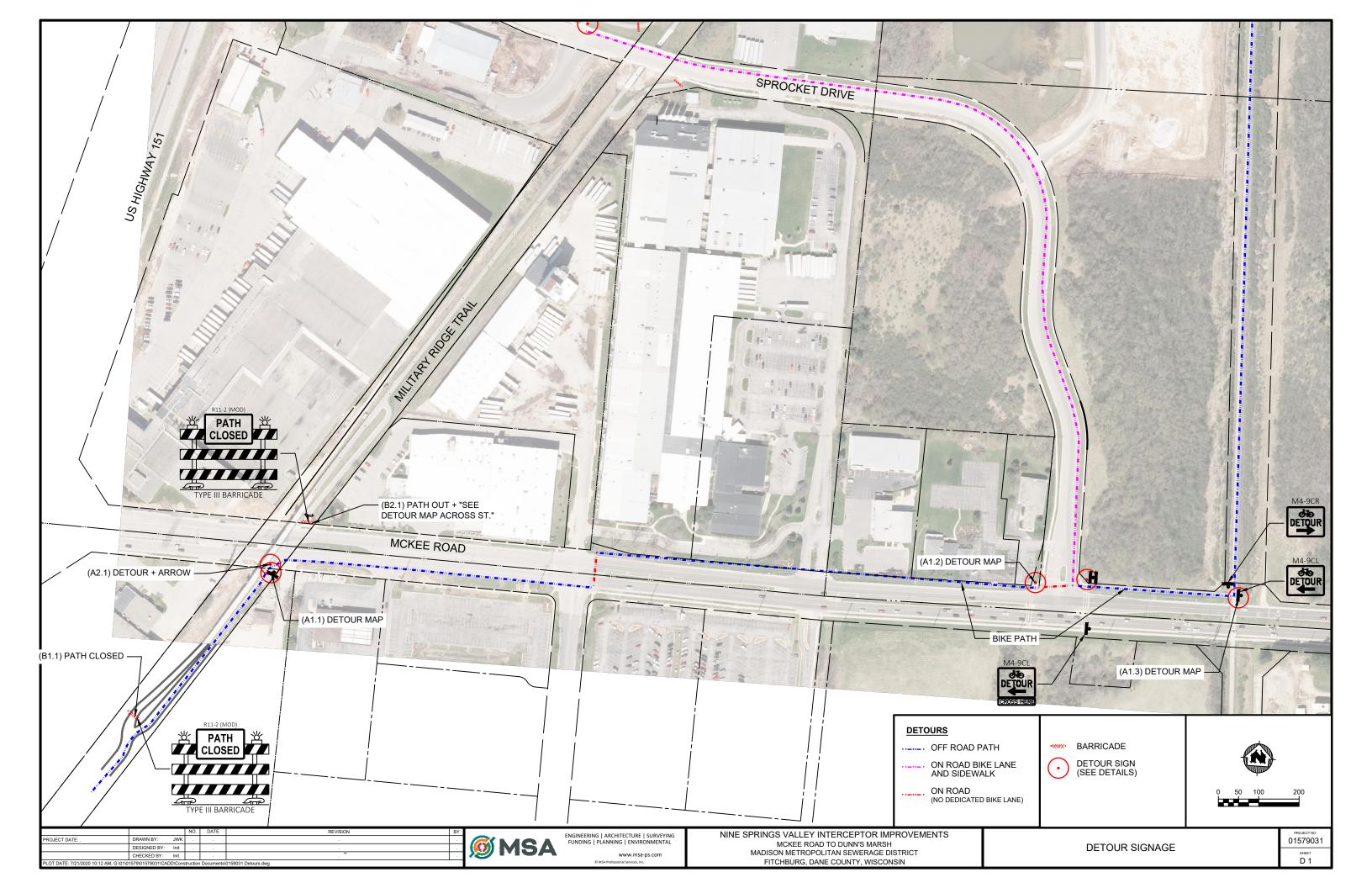
MCKEE ROAD TO DUNN'S MARSH

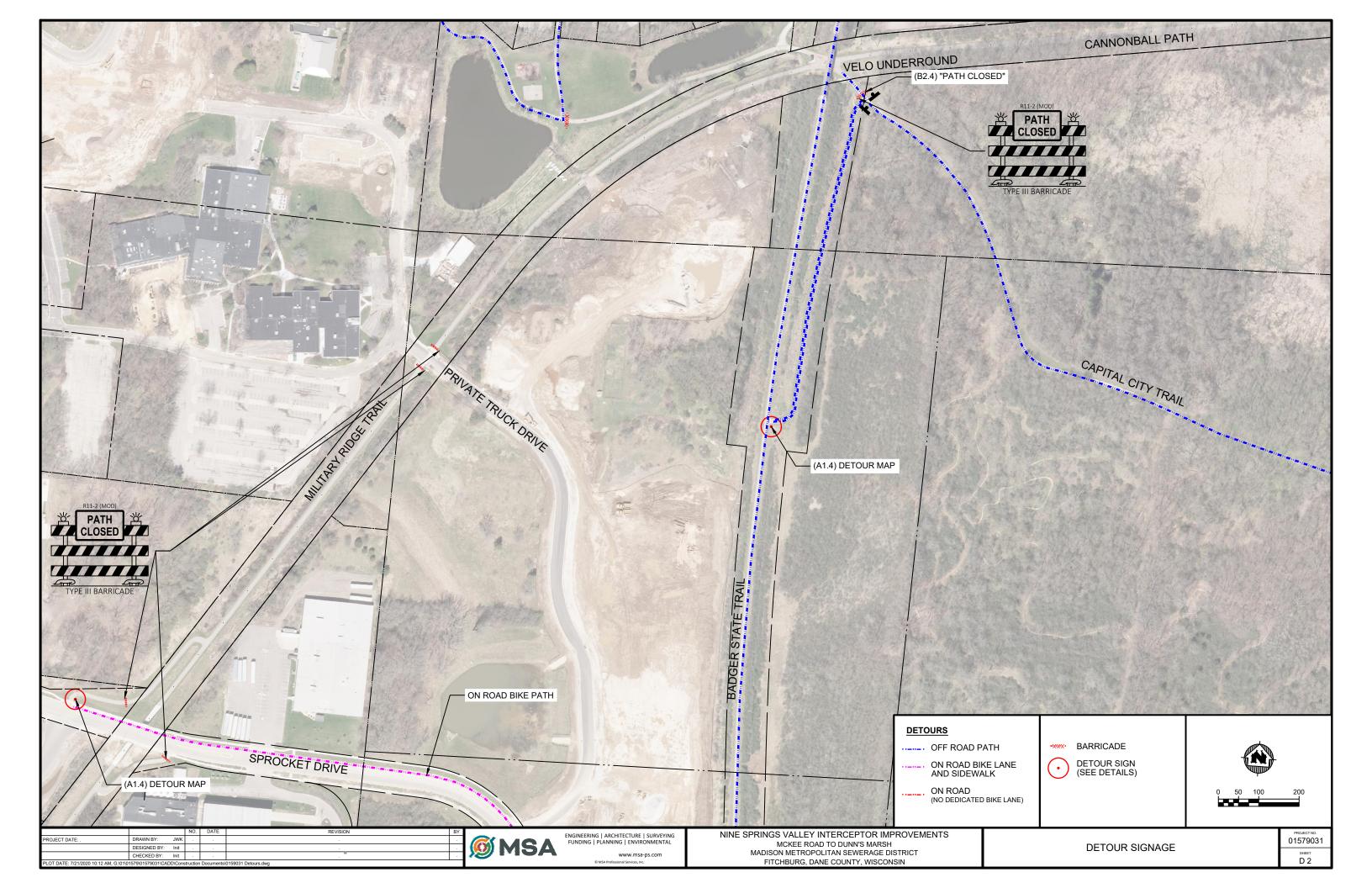
MADISON METROPOLITAN SEWERAGE DISTRICT

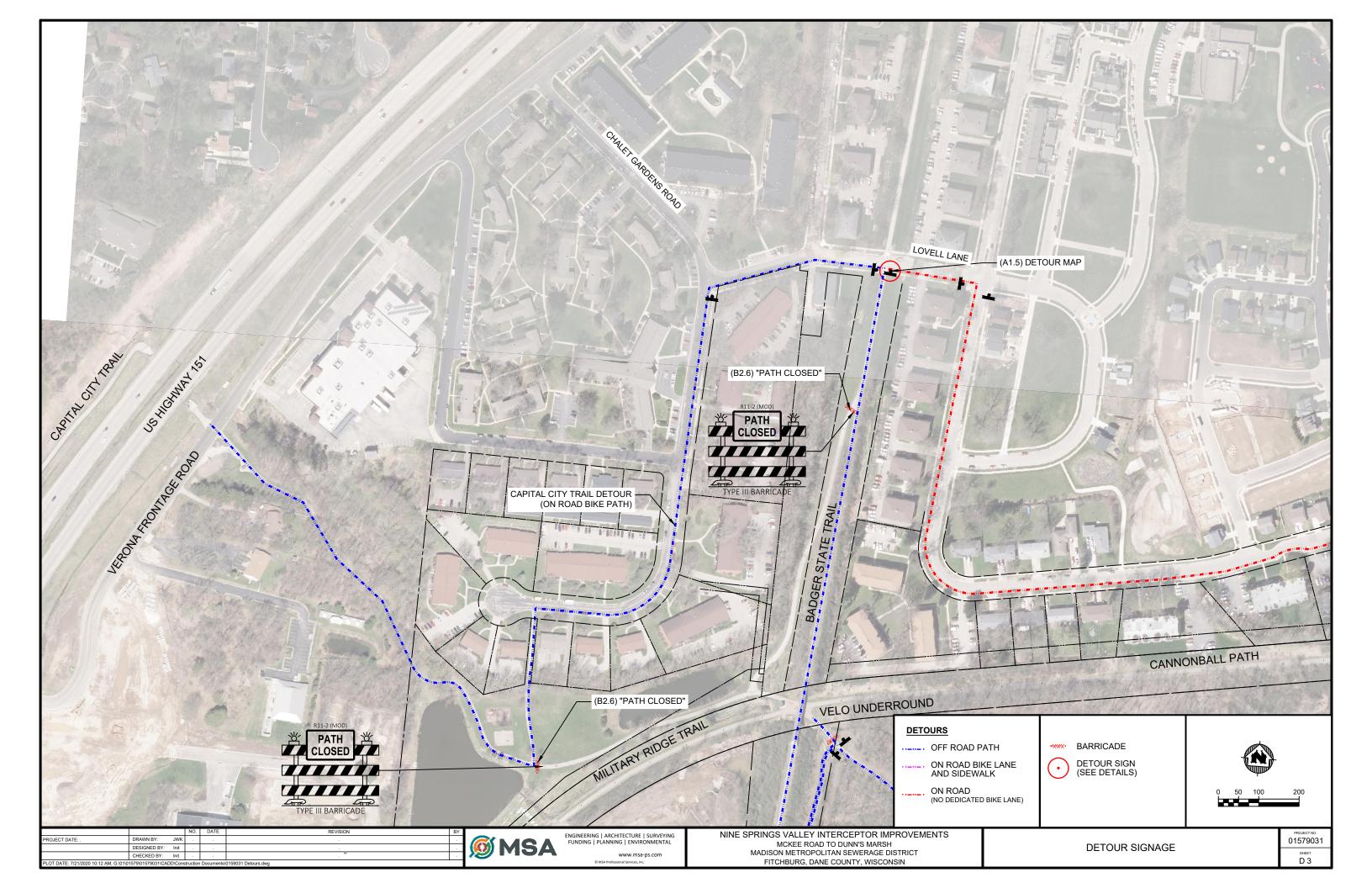
FITCHBURG, DANE COUNTY, WISCONSIN

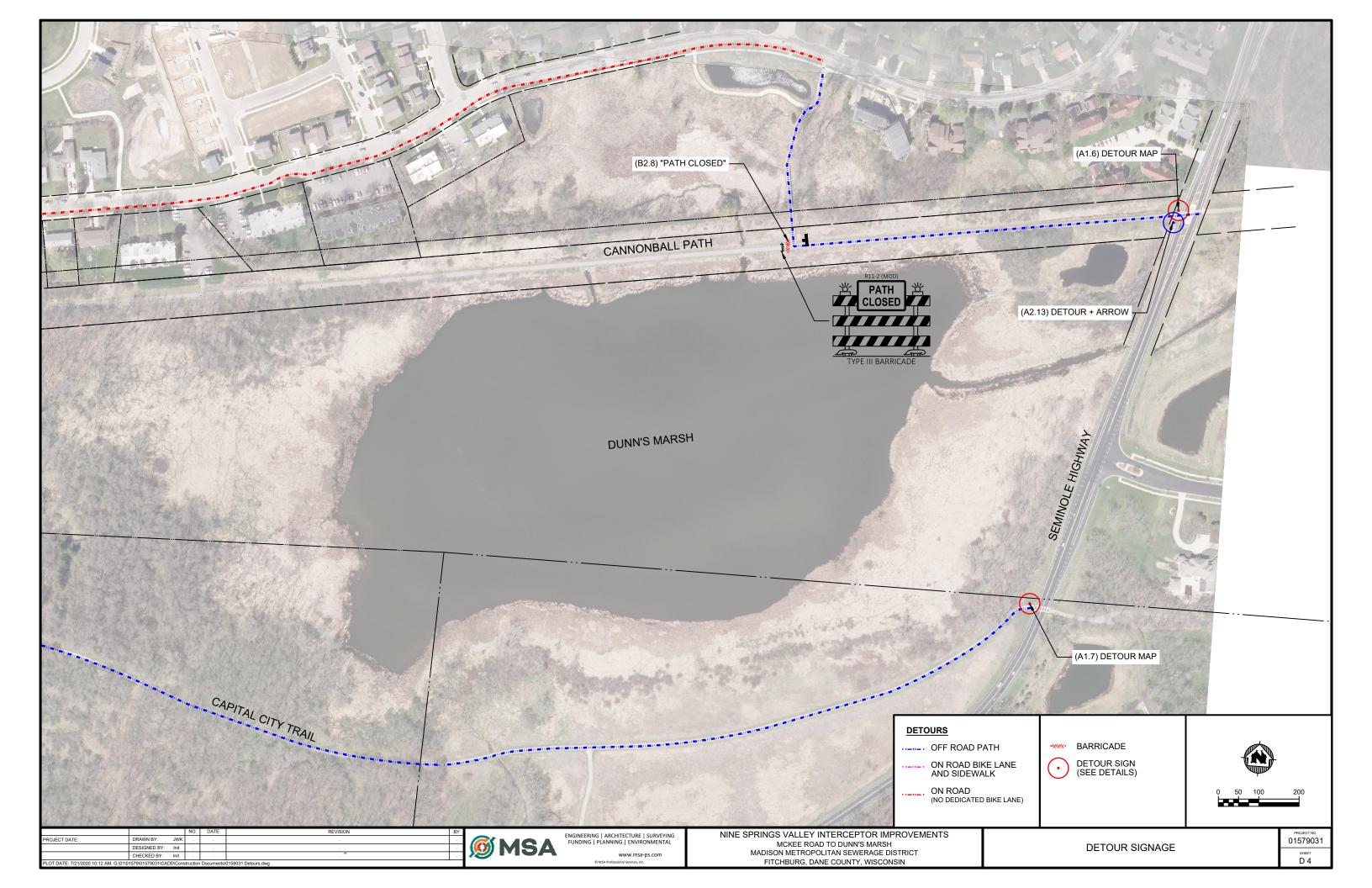
PROJECT NO. 01579031 G 8

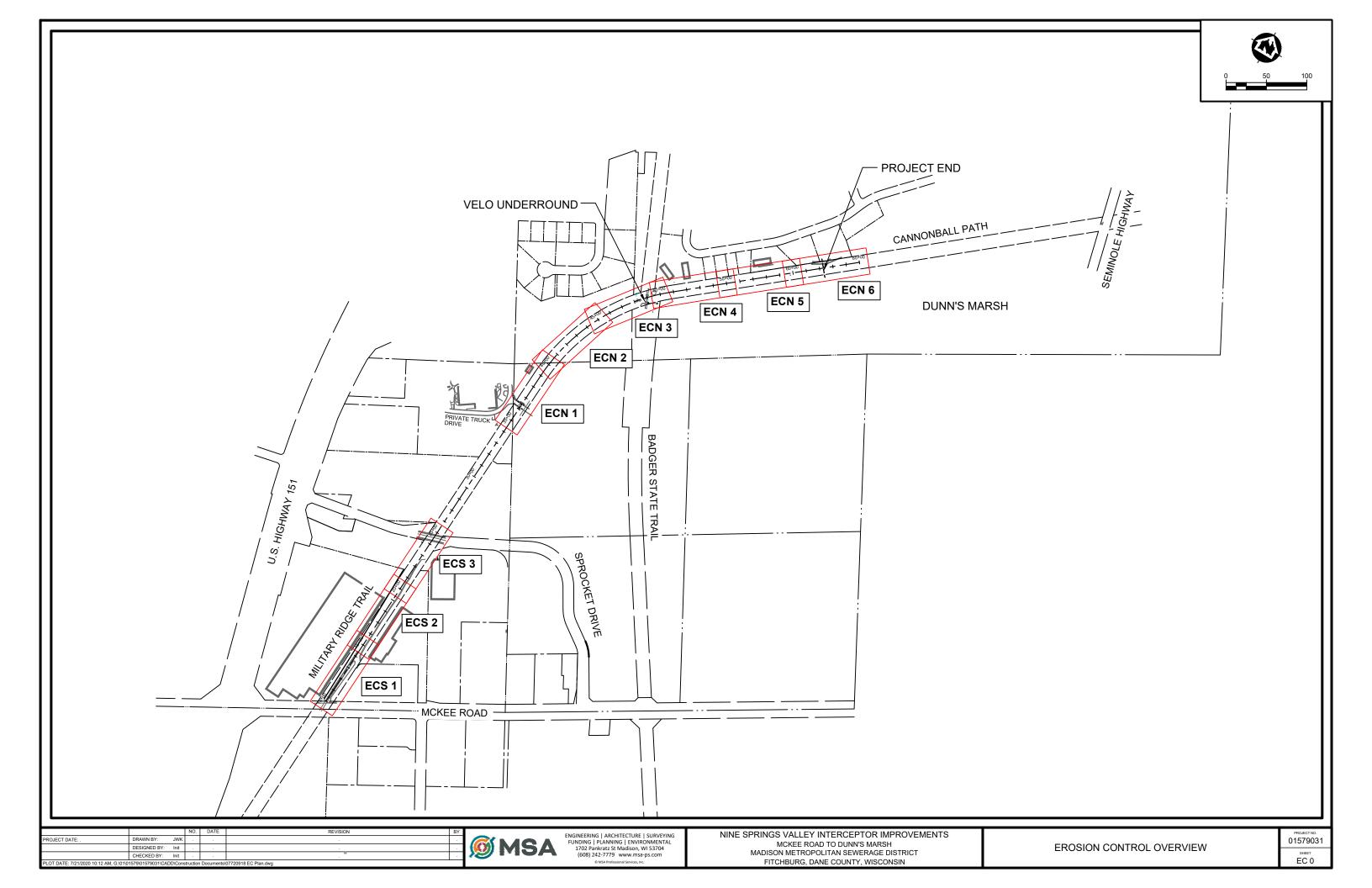


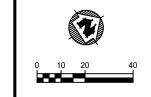


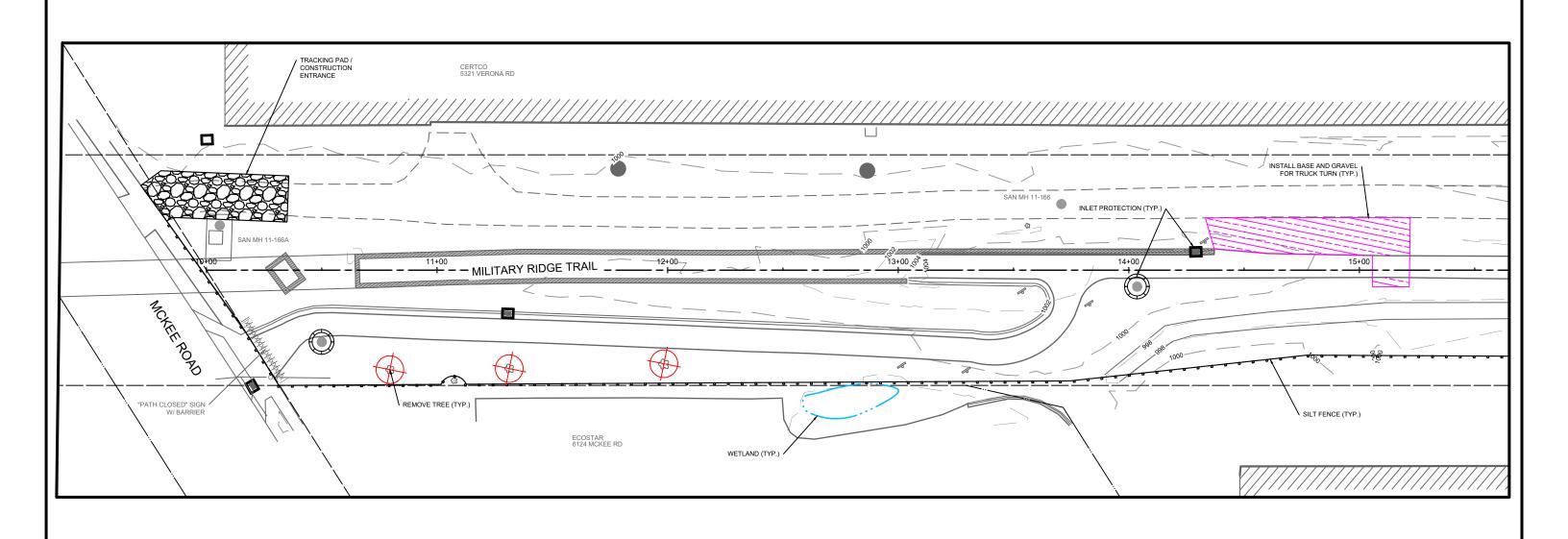












- 1) REMOVE AND SALVAGE ALL SIGNAGE TO BE INSTALLED
- 2) PRIOR TO REMOVING TREES CONTRACTOR SHALL CONTACT KARI DIVINE (608)622-7212 OR director@wisconsinurbanwood.org AT WISCONSIN URBAN WOOD TEN DAYS PRIOR TO ARRANGE FOR REMOVAL SPECIFICS, DONATION STORAGE, AND PICKUP.
- 3) TRUCK TURN AREAS ARE APPROXIMATE. CONTRACTOR TO CHOOSE LOCATION, GRADE, AND INSTALL AS NEEDED.

### **LEGEND**

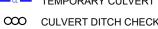
SILT FENCE



TRACKING PAD



TRUCK TURN AREA



— □ TEMPORARY CULVERT



INLET PROTECTION (TYPE D) INLET PROTECTION (FILTER ROCK)

CLEAR AND GRUB

REMOVE TREE

DESIGNED BY: Init

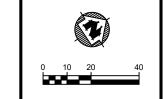


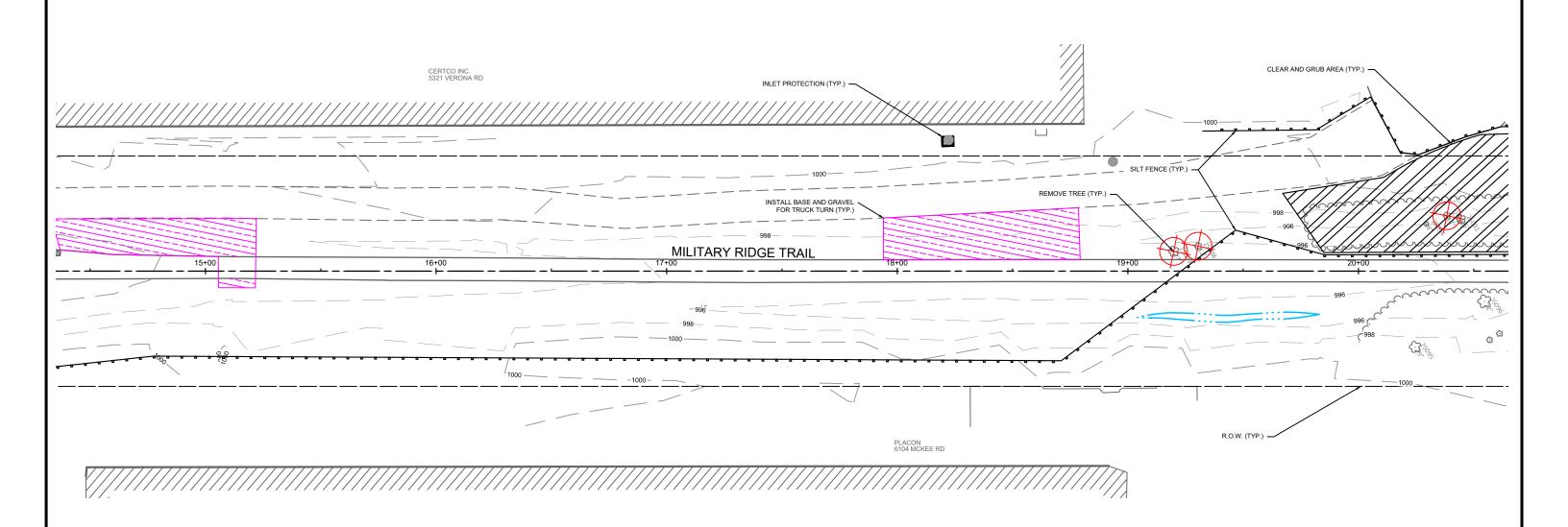
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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

**EROSION CONTROL PLAN (SOUTH)** 

01579031 ECS 1





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### **LEGEND**

SILT FENCE

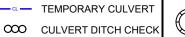
TRACKING PAD



CLEAR AND GRUB



INLET PROTECTION (TYPE D) 



INLET PROTECTION (FILTER ROCK)

REMOVE TREE

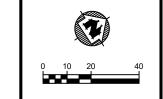


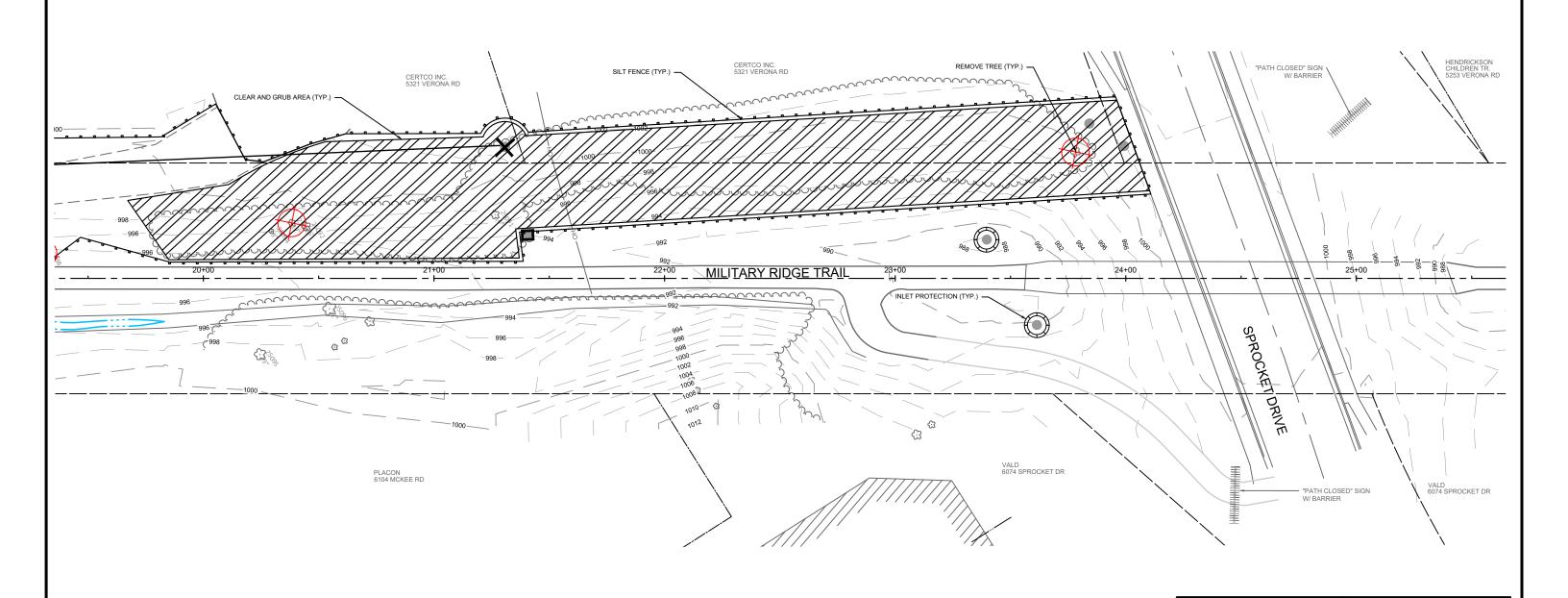
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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

EROSION CONTROL PLAN (SOUTH)

01579031 ECS 2





|                                                                                                            |                   | NO. | DATE | REVISION | BY | Г |  |  |
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| PROJECT DATE: .                                                                                            | DRAWN BY: JWK     |     |      | ·        |    | 1 |  |  |
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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

NOTES:

1) REMOVE AND SALVAGE ALL SIGNAGE TO BE INSTALLED

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CULVERT DITCH CHECK

**LEGEND** 

SILT FENCE

TRACKING PAD

—□ TEMPORARY CULVERT

TRUCK TURN AREA

CLEAR AND GRUB

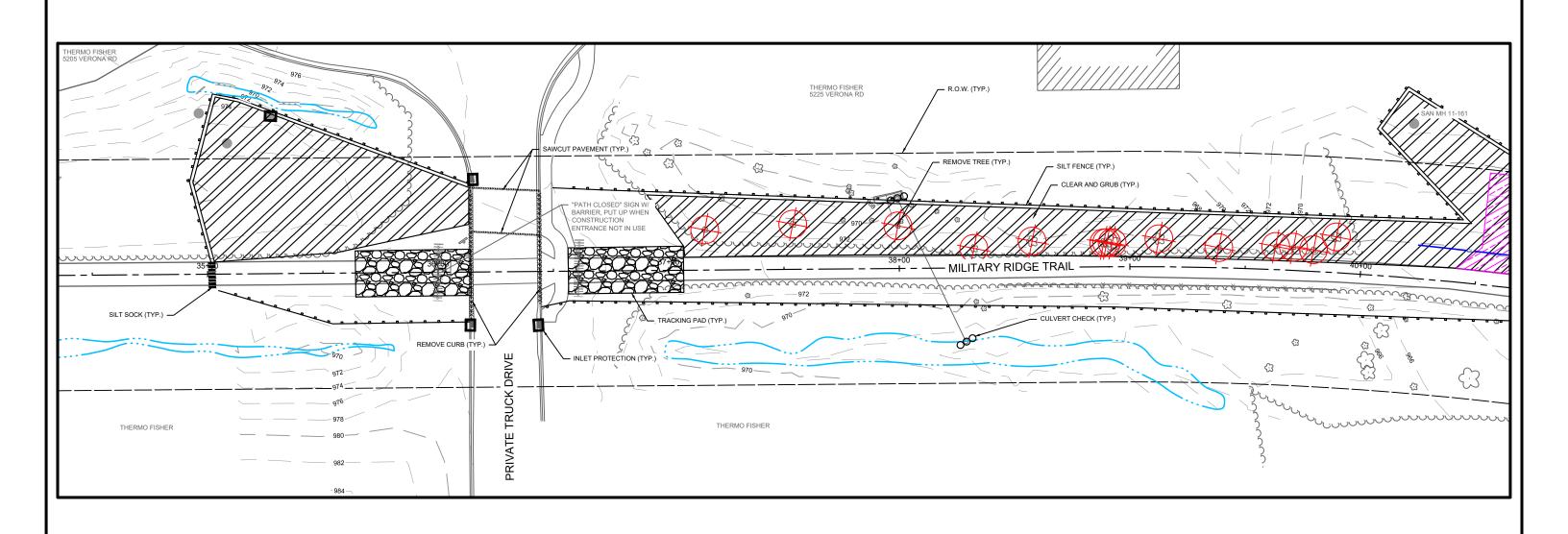
INLET PROTECTION (TYPE D) 

INLET PROTECTION (FILTER ROCK)

REMOVE TREE

01579031 ECS 3

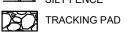




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#### **LEGEND**

SILT FENCE





TRUCK TURN AREA



—□ TEMPORARY CULVERT



INLET PROTECTION (TYPE D)

CLEAR AND GRUB

INLET PROTECTION (FILTER ROCK)

REMOVE TREE

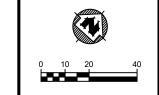


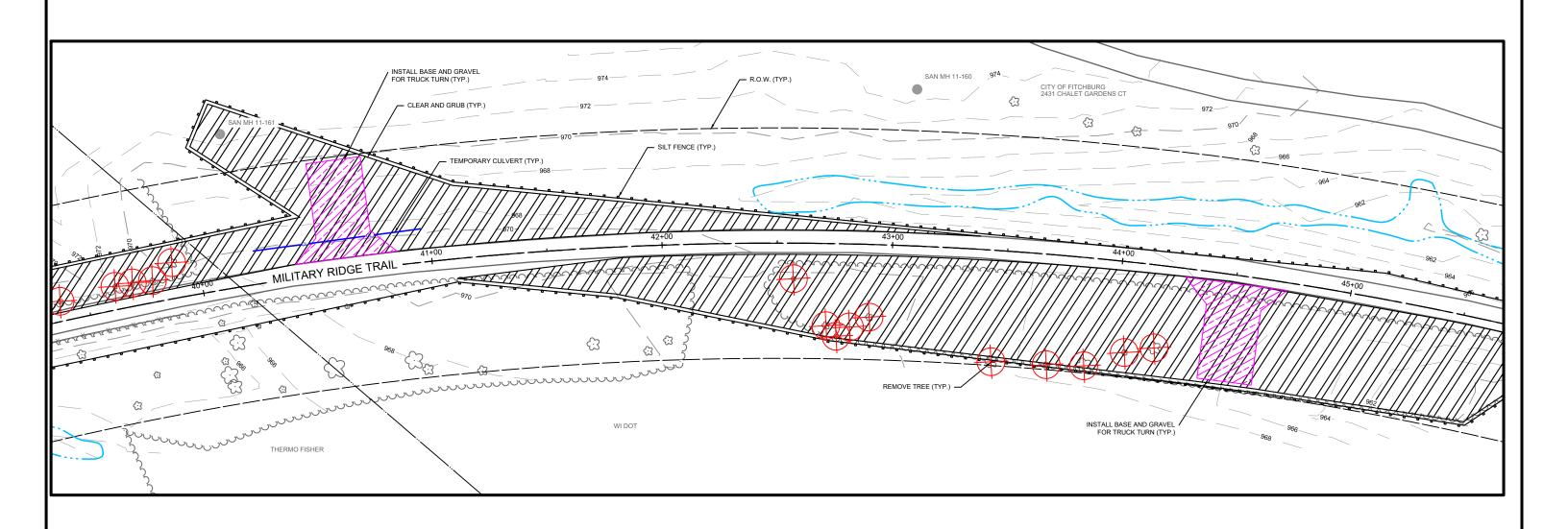


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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

**EROSION CONTROL PLAN (NORTH)** 





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### **LEGEND**

SILT FENCE



TRACKING PAD



TRUCK TURN AREA —□ TEMPORARY CULVERT



INLET PROTECTION (TYPE D) 



INLET PROTECTION (FILTER ROCK)

CLEAR AND GRUB

REMOVE TREE

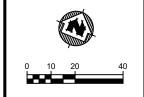
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| PROJECT DATE: .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DRAWN BY:    | JWK  |     |      | ·        |    | 1 / |  |  |
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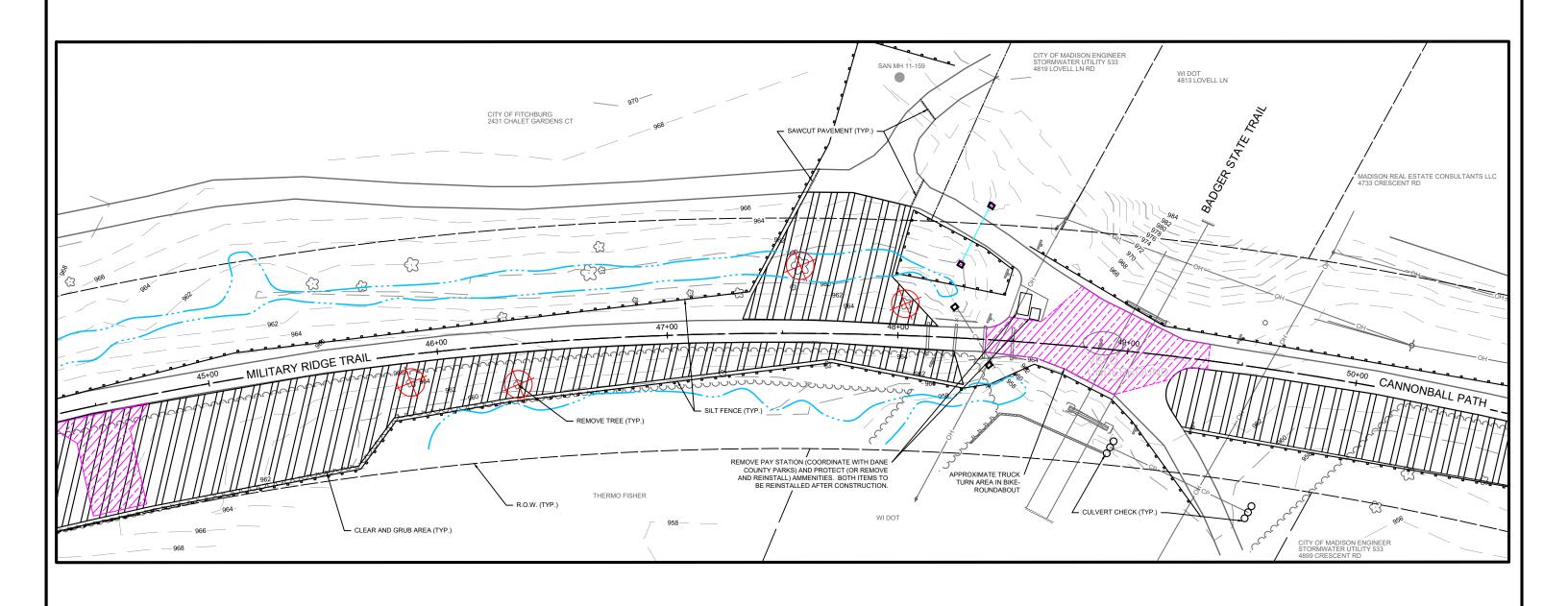


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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

**EROSION CONTROL PLAN (NORTH)** 





- 1) REMOVE AND SALVAGE ALL SIGNAGE TO BE INSTALLED
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### **LEGEND**

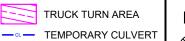
SILT FENCE



REMOVE TREE



CLEAR AND GRUB



INLET PROTECTION (TYPE D)



INLET PROTECTION (FILTER ROCK)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |      | NO. | DATE | REVISION | BY | Г  |  |  |
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| PROJECT DATE: .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | DRAWN BY:    | JWK  |     |      | ÷        | ٠  | Ι, |  |  |
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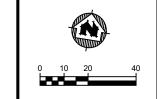
ENGINEERING | ARCHITECTURE | SURVEYING FUNDING | PLANNING | ENVIRONMENTAL 1702 Pankratz St Madison, WI 53704 (608) 242-7779 www.msa-ps.com

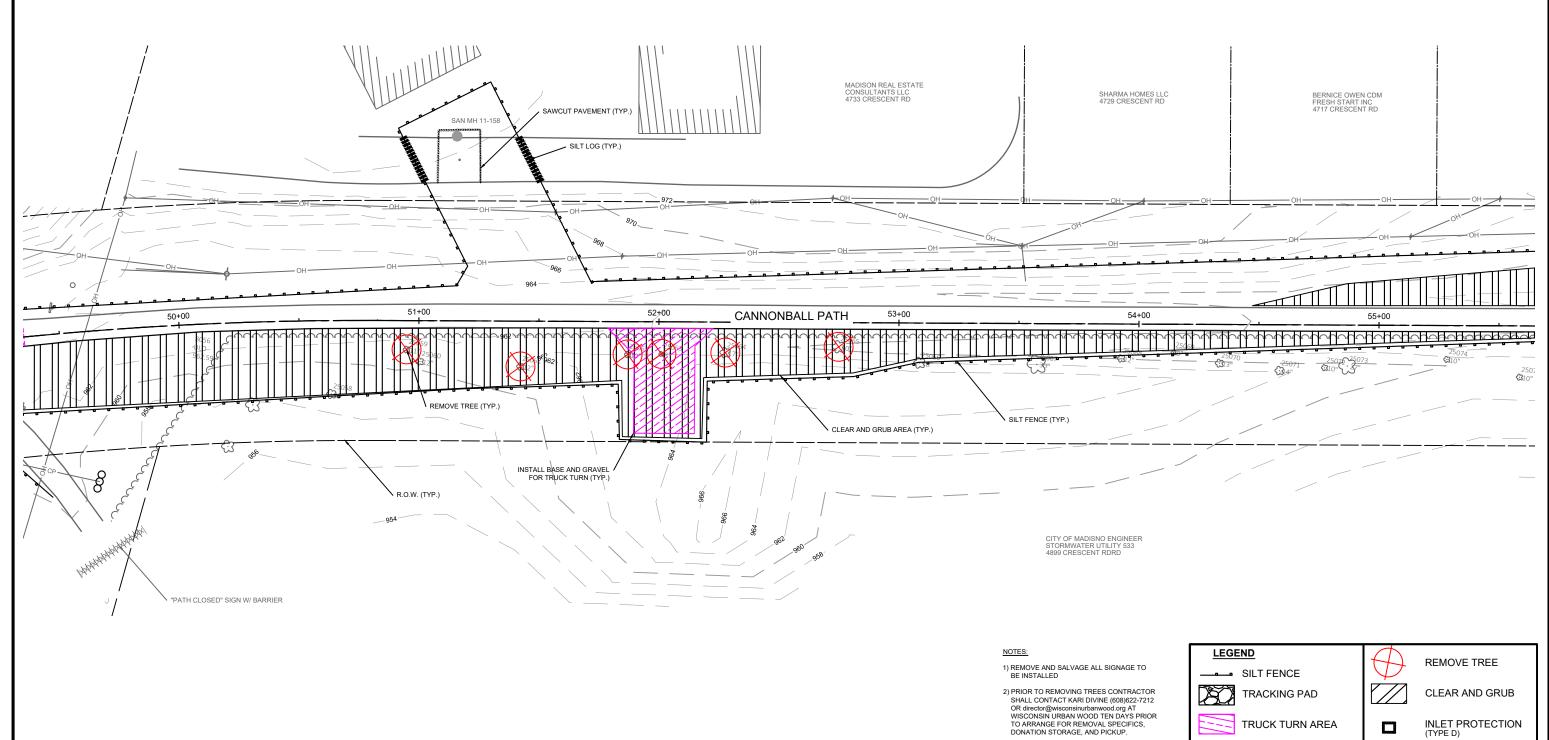
NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN



TRUCK TURN AREA

CULVERT DITCH CHECK





|                                                                                                             |                   | NO. | DATE | REVISION   | BY | Г |  |  |  |  |
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| PROJECT DATE: .                                                                                             | DRAWN BY: JWK     |     |      | ·          |    | 1 |  |  |  |  |
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ENGINEERING | ARCHITECTURE | SURVEYING FUNDING | PLANNING | ENVIRONMENTAL 1702 Pankratz St Madison, WI 53704 (608) 242-7779 www.msa-ps.com 0 MSA Professional Services, Inc. NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS

MCKEE ROAD TO DUNN'S MARSH

MADISON METROPOLITAN SEWERAGE DISTRICT

FITCHBURG, DANE COUNTY, WISCONSIN

3) TRUCK TURN AREAS ARE APPROXIMATE. CONTRACTOR TO CHOOSE LOCATION, GRADE, AND INSTALL AS NEEDED.

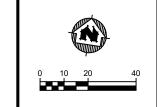
∞ CULVERT DITCH CHECK

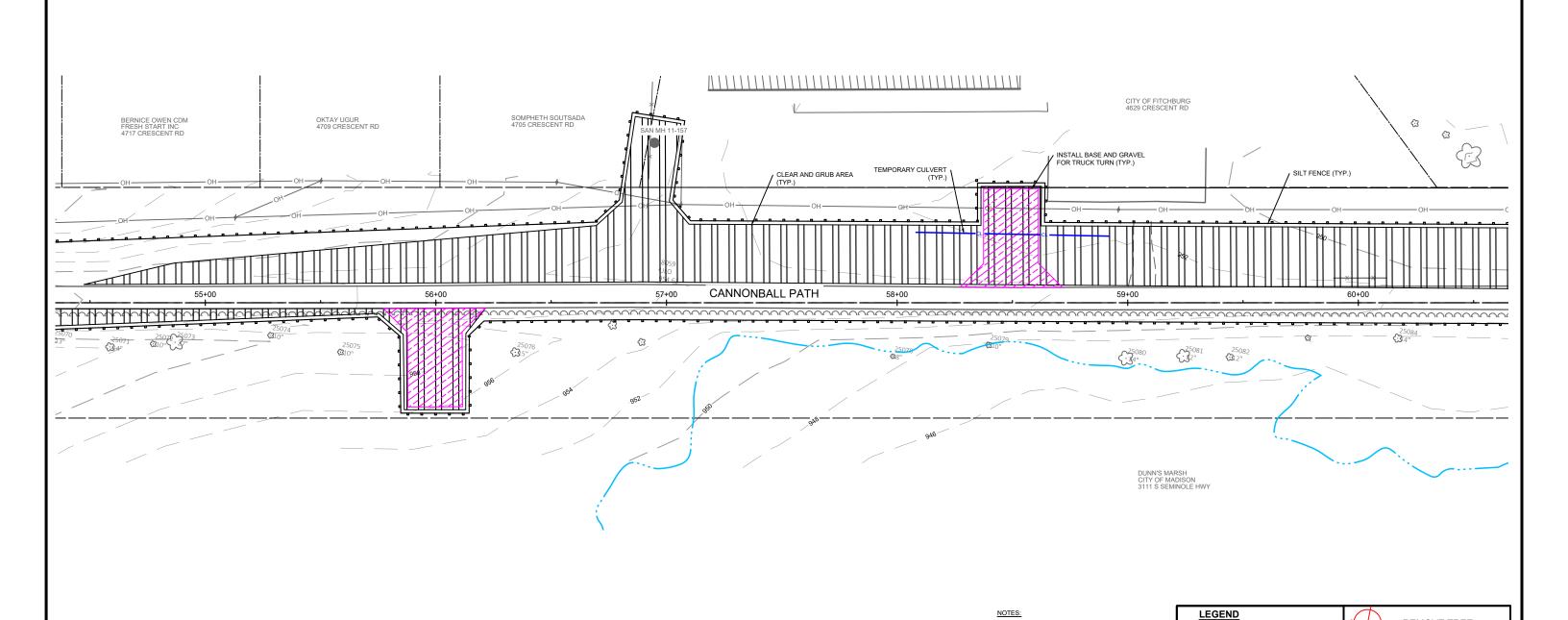
—□ TEMPORARY CULVERT

INLET PROTECTION (TYPE D)

INLET PROTECTION (FILTER ROCK)

PROJECT N





|                 |              |      | NO. | DATE | REVISION | BY |     |
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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

1) REMOVE AND SALVAGE ALL SIGNAGE TO BE INSTALLED

2) PRIOR TO REMOVING TREES CONTRACTOR SHALL CONTACT KARI DIVINE (608)622-7212 OR director@wisconsinurbanwood.org AT WISCONSIN URBAN WOOD TEN DAYS PRIOR TO ARRANGE FOR REMOVAL SPECIFICS, DONATION STORAGE, AND PICKUP.

3) TRUCK TURN AREAS ARE APPROXIMATE. CONTRACTOR TO CHOOSE LOCATION, GRADE, AND INSTALL AS NEEDED.

TRACKING PAD TRUCK TURN AREA 

—□ TEMPORARY CULVERT

CULVERT DITCH CHECK

SILT FENCE

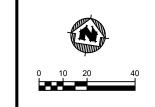
INLET PROTECTION (TYPE D)

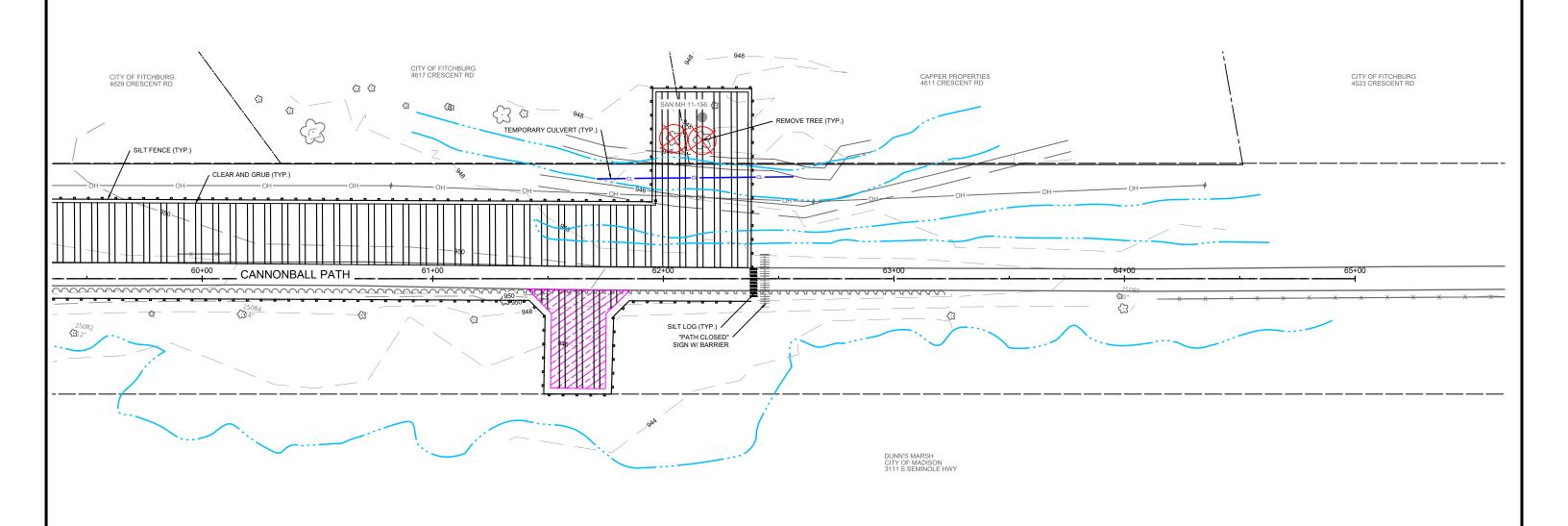
REMOVE TREE



INLET PROTECTION (FILTER ROCK)

CLEAR AND GRUB





- 1) REMOVE AND SALVAGE ALL SIGNAGE TO BE INSTALLED
- 2) PRIOR TO REMOVING TREES CONTRACTOR SHALL CONTACT KARI DIVINE (608)622-7212 OR director@wisconsinurbanwood.org AT WISCONSIN URBAN WOOD TEN DAYS PRIOR TO ARRANGE FOR REMOVAL SPECIFICS, DONATION STORAGE, AND PICKUP.
- 3) TRUCK TURN AREAS ARE APPROXIMATE. CONTRACTOR TO CHOOSE LOCATION, GRADE, AND INSTALL AS NEEDED.

#### **LEGEND**

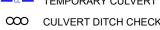
SILT FENCE







TRUCK TURN AREA



—□ TEMPORARY CULVERT



REMOVE TREE



CLEAR AND GRUB



INLET PROTECTION (TYPE D)



INLET PROTECTION (FILTER ROCK)

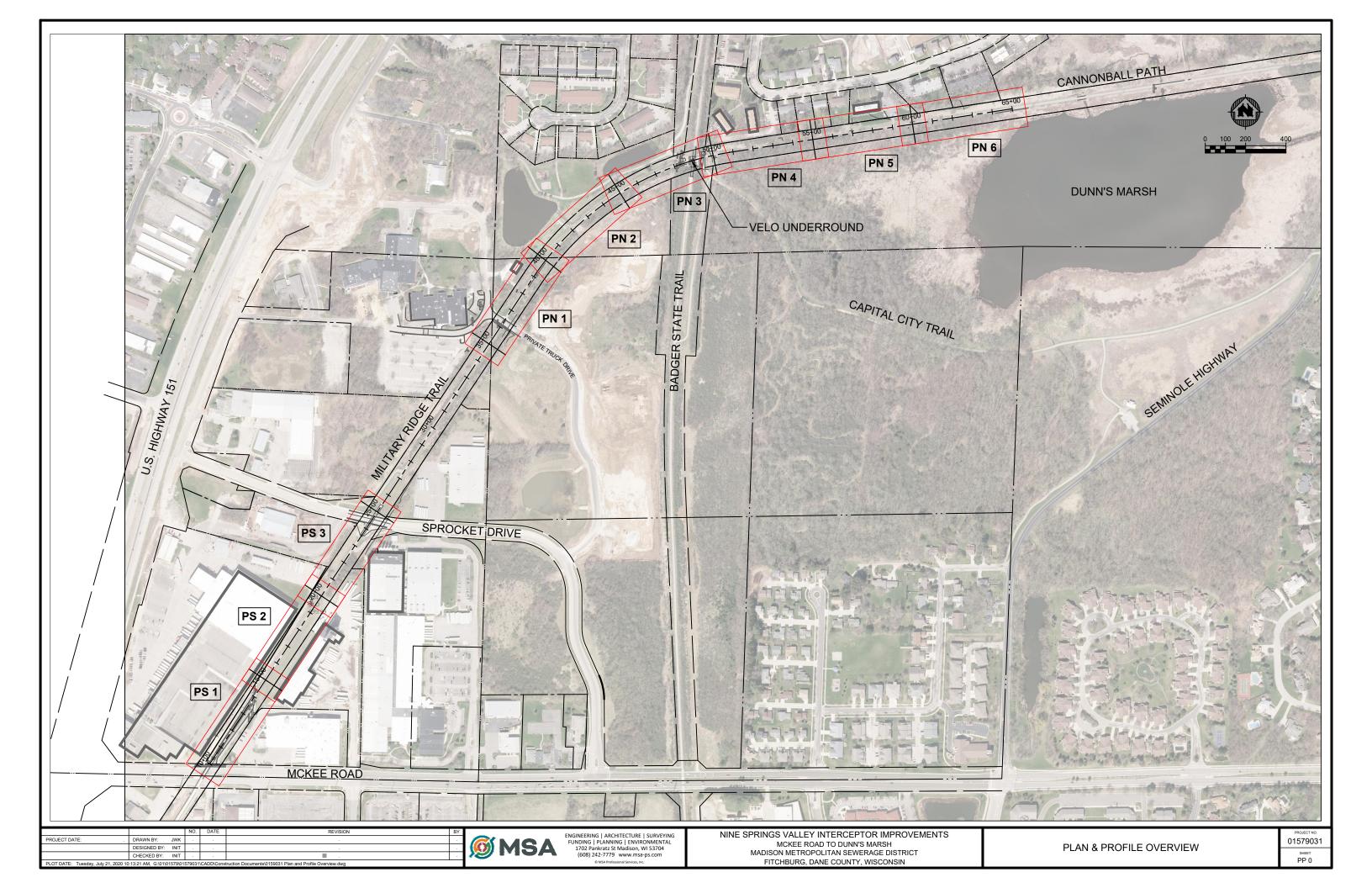


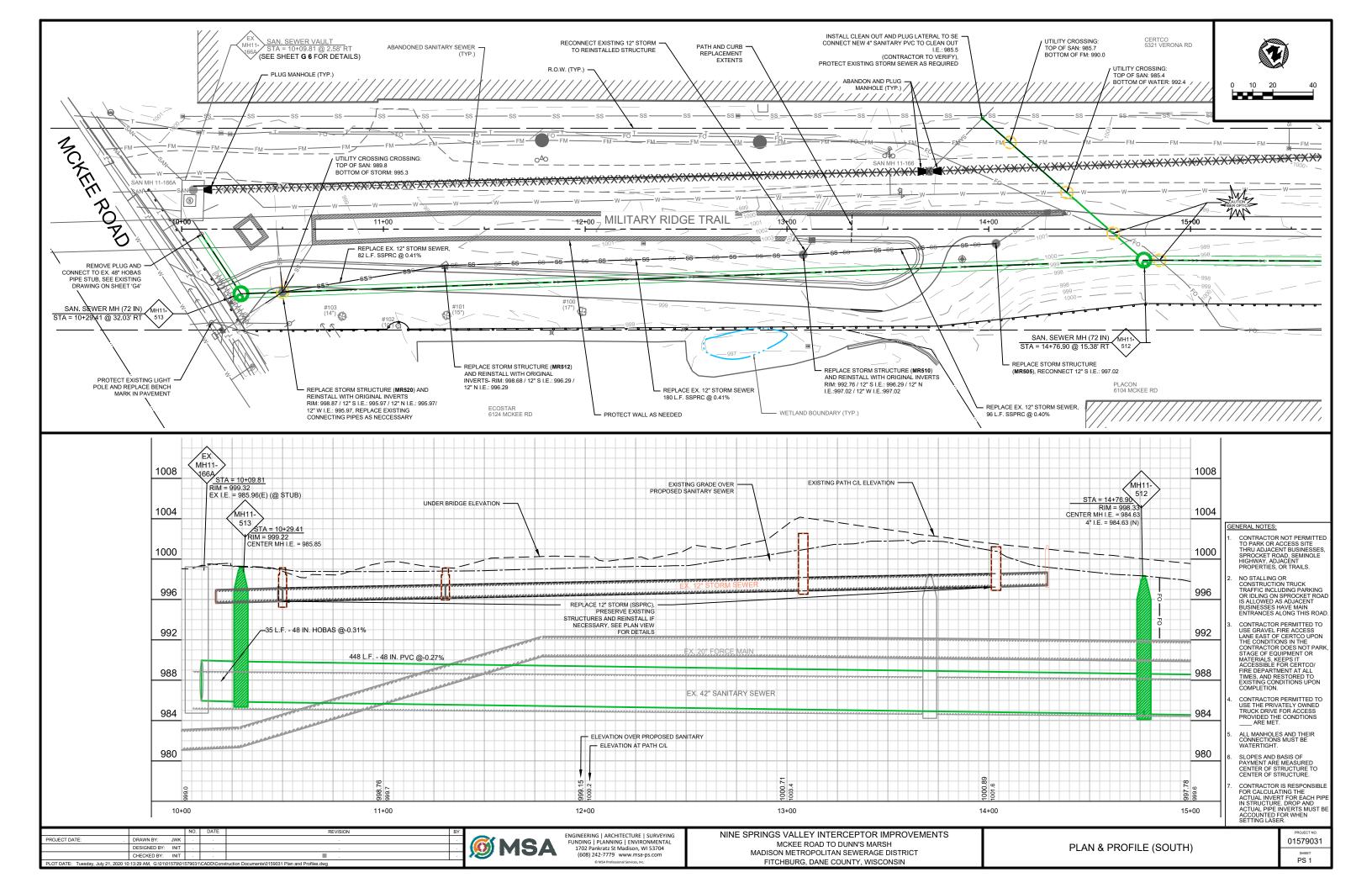


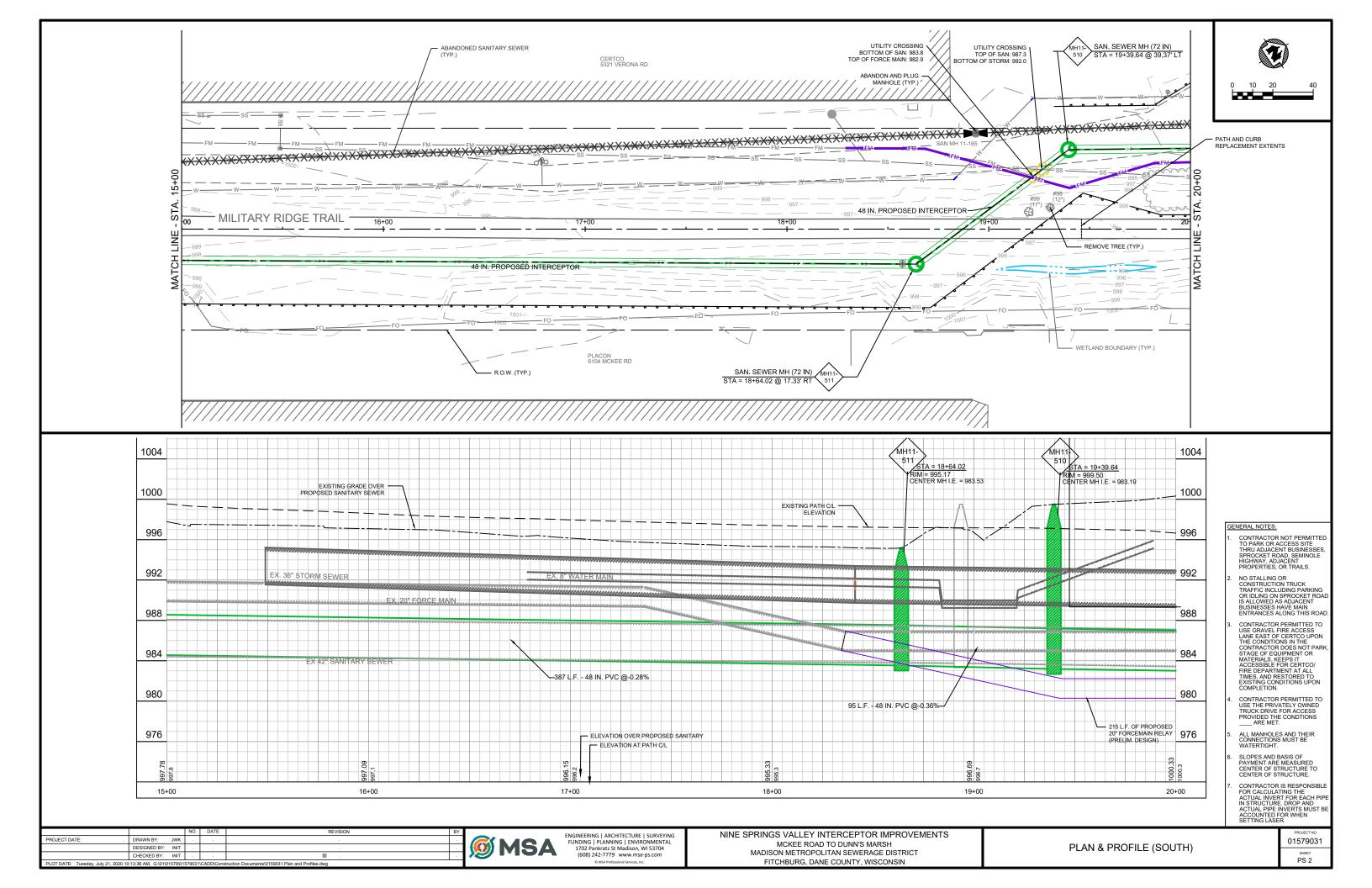
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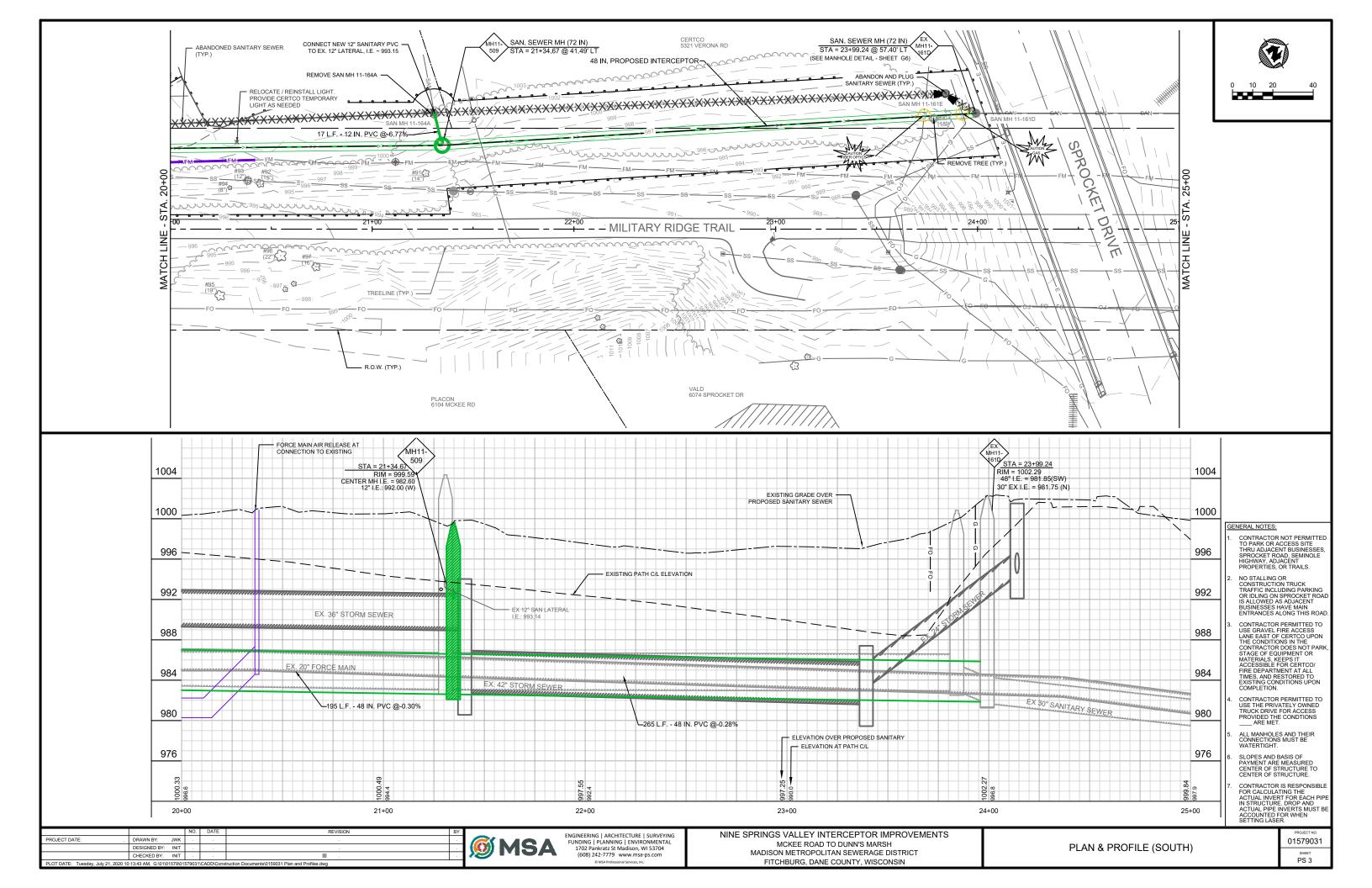
NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

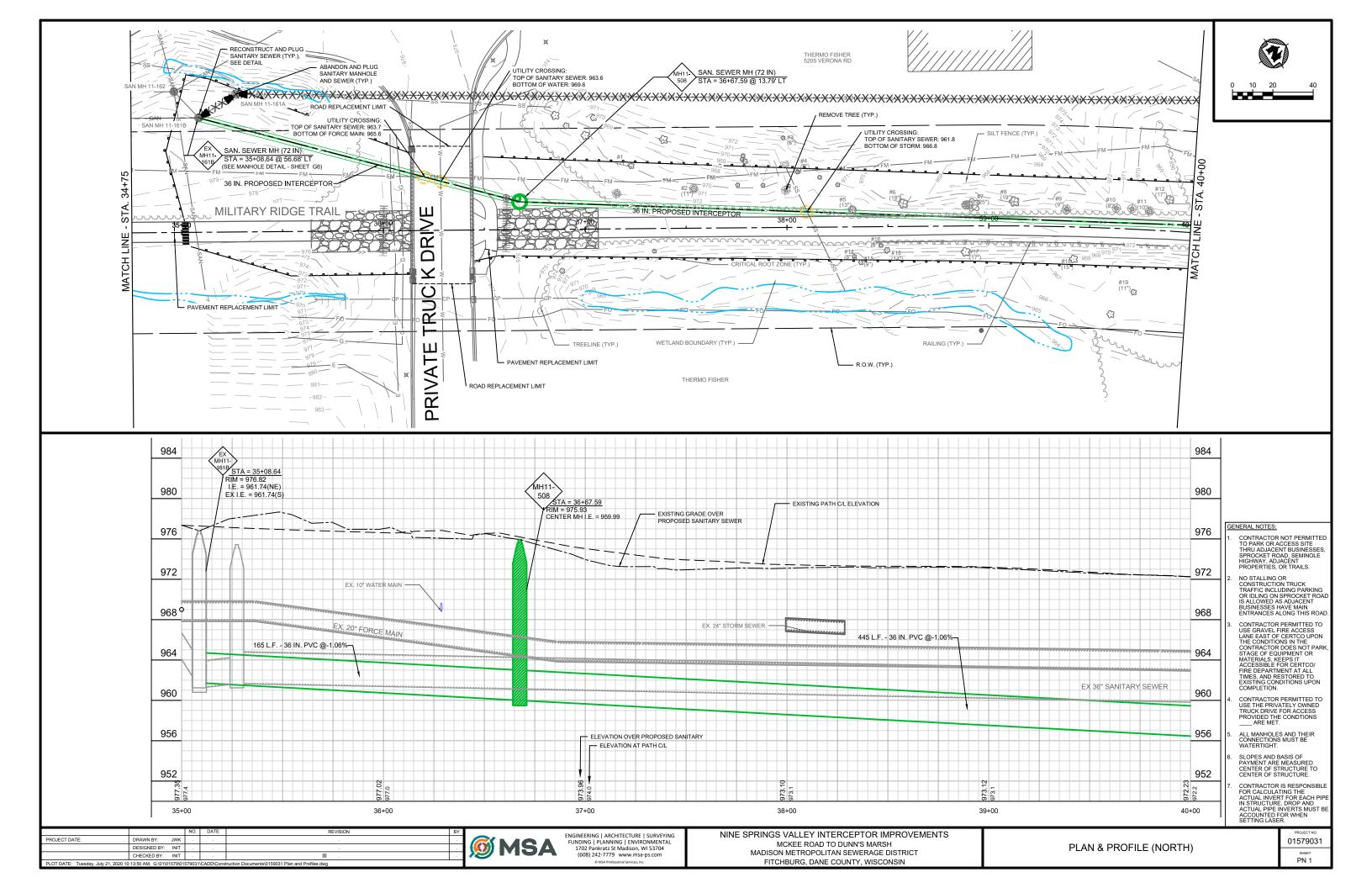
**EROSION CONTROL PLAN (NORTH)** 

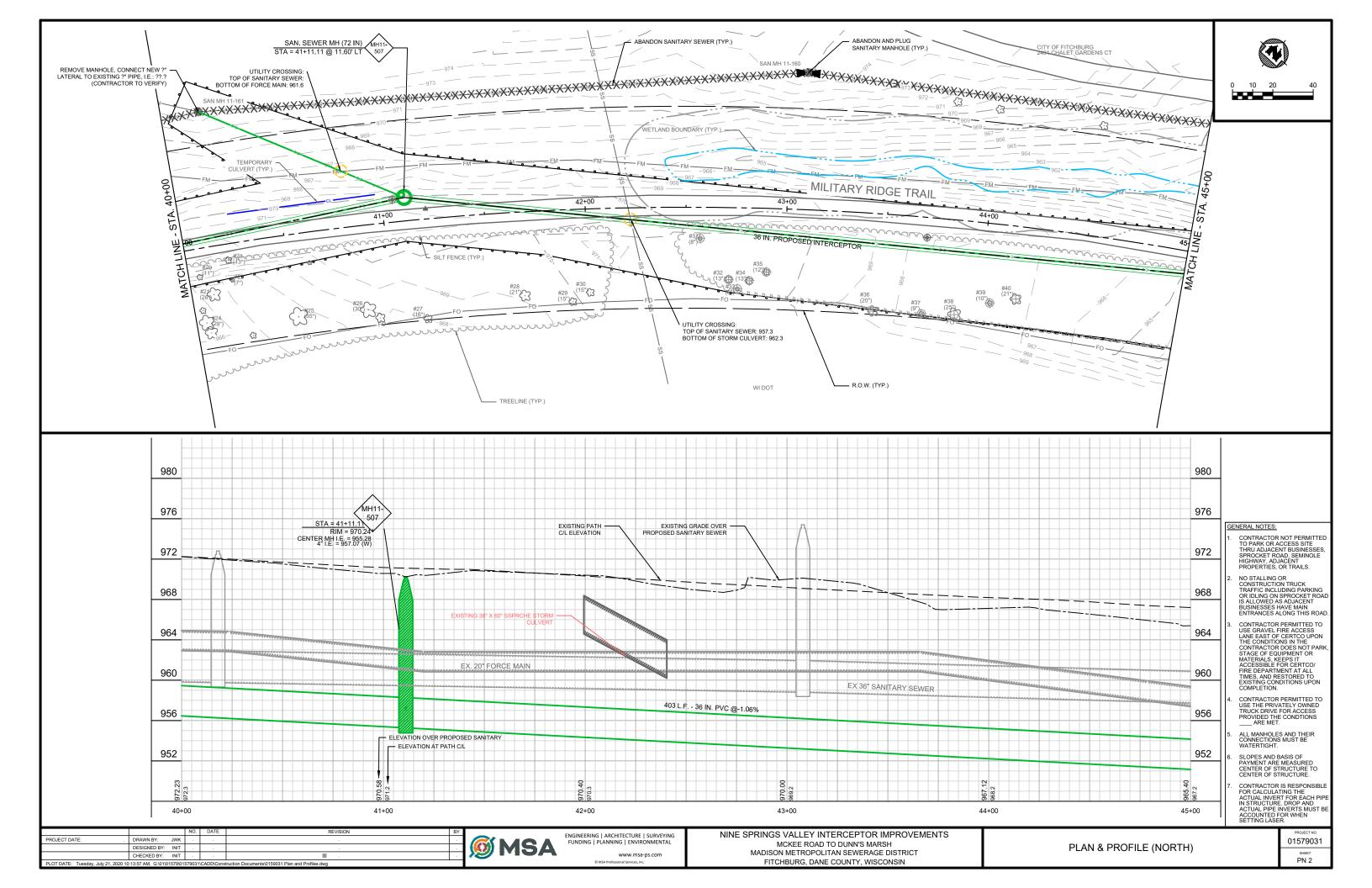


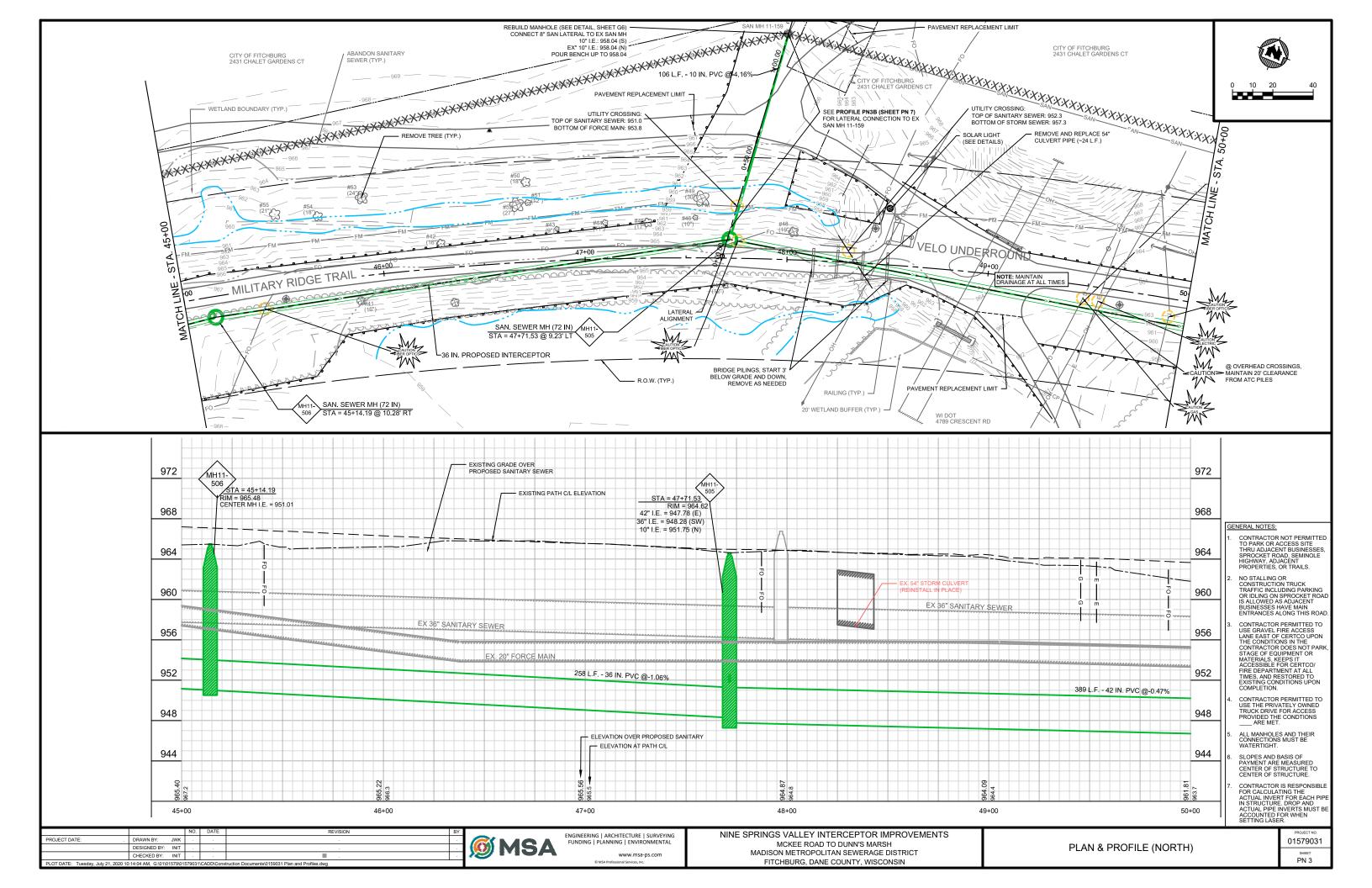


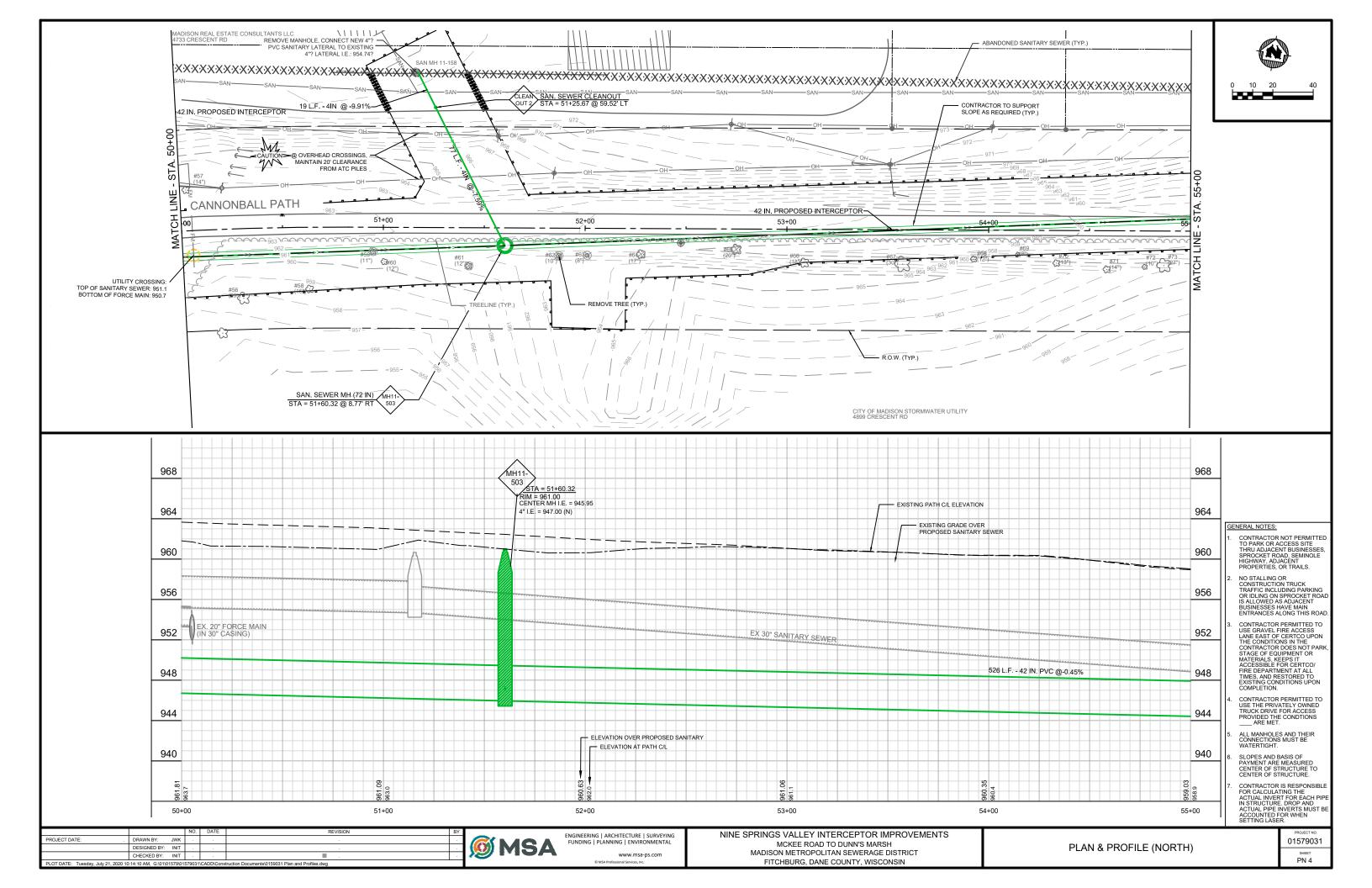


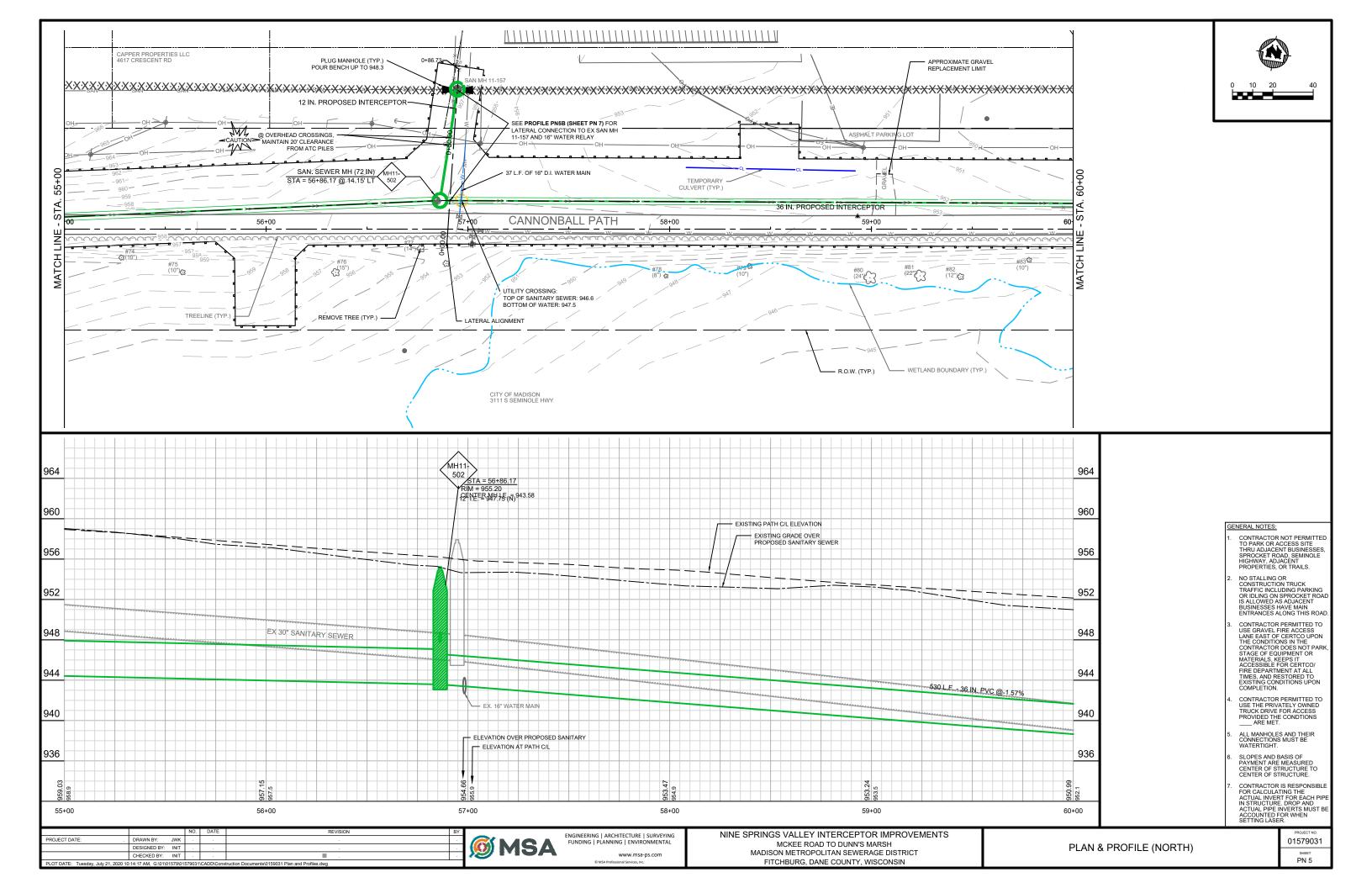


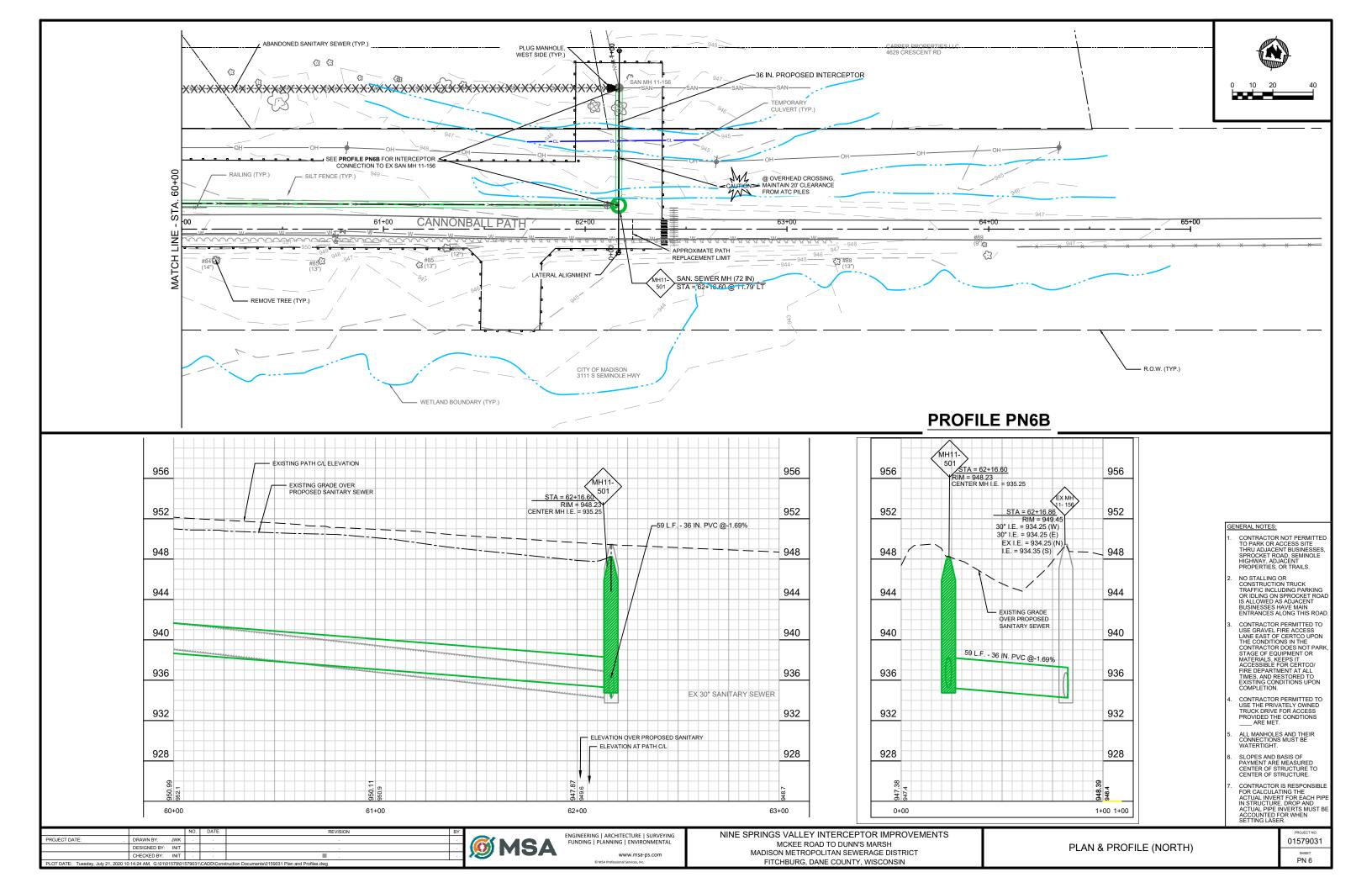




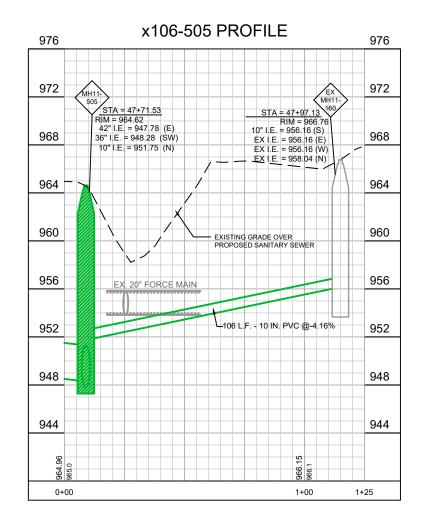




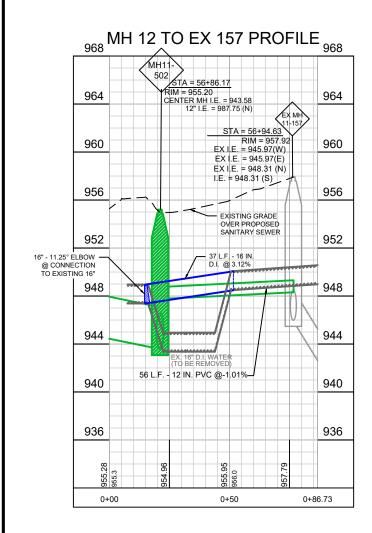




## PROFILE PN3B (SEE PN 3 FOR PLAN VIEW)



# PROFILE PN5B (SEE PN 5 FOR PLAN VIEW)



#### GENERAL NOTES:

- CONTRACTOR NOT PERMITTED TO PARK OR ACCESS SITE THRU ADJACENT BUSINESSES, SPROCKET ROAD, SEMINOLE HIGHWAY, ADJACENT PROPERTIES, OR TRAILS.
- 2. NO STALLING OR
  CONSTRUCTION TRUCK
  TRAFFIC INCLUDING PARKING
  OR IDLING ON SPROCKET ROAD
  IS ALLOWED AS ADJACENT
  BUSINESSES HAVE MAIN
  ENTRANCES ALONG THIS ROAD.
- SUBSTRACTOR PERMITTED TO USE GRAVEL FIRE ACCESS LANE EAST OF CERTOO UPON THE CONDITIONS IN THE CONDITIONS UPON COMPLETION CONDITIONS UPON COMPLETION.
- 4. CONTRACTOR PERMITTED TO USE THE PRIVATELY OWNED TRUCK DRIVE FOR ACCESS PROVIDED THE CONDTIONS \_\_\_ ARE MET.
- 5. ALL MANHOLES AND THEIR CONNECTIONS MUST BE WATERTIGHT.
- 6. SLOPES AND BASIS OF PAYMENT ARE MEASURED CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- 7. CONTRACTOR IS RESPONSIBLE FOR CALCULATING THE ACTUAL INVERT FOR EACH PIPE IN STRUCTURE. DROP AND ACTUAL PIPE INVERTS MUST BE ACCOUNTED FOR WHEN SETTING LASER.



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MCKEE ROAD TO DUNN'S MARSH

MADISON METROPOLITAN SEWERAGE DISTRICT

FITCHBURG, DANE COUNTY, WISCONSIN

PROFILES

ACCOUNTED FOR WHEN SETTING LASER.

PROJECT NO.
01579031

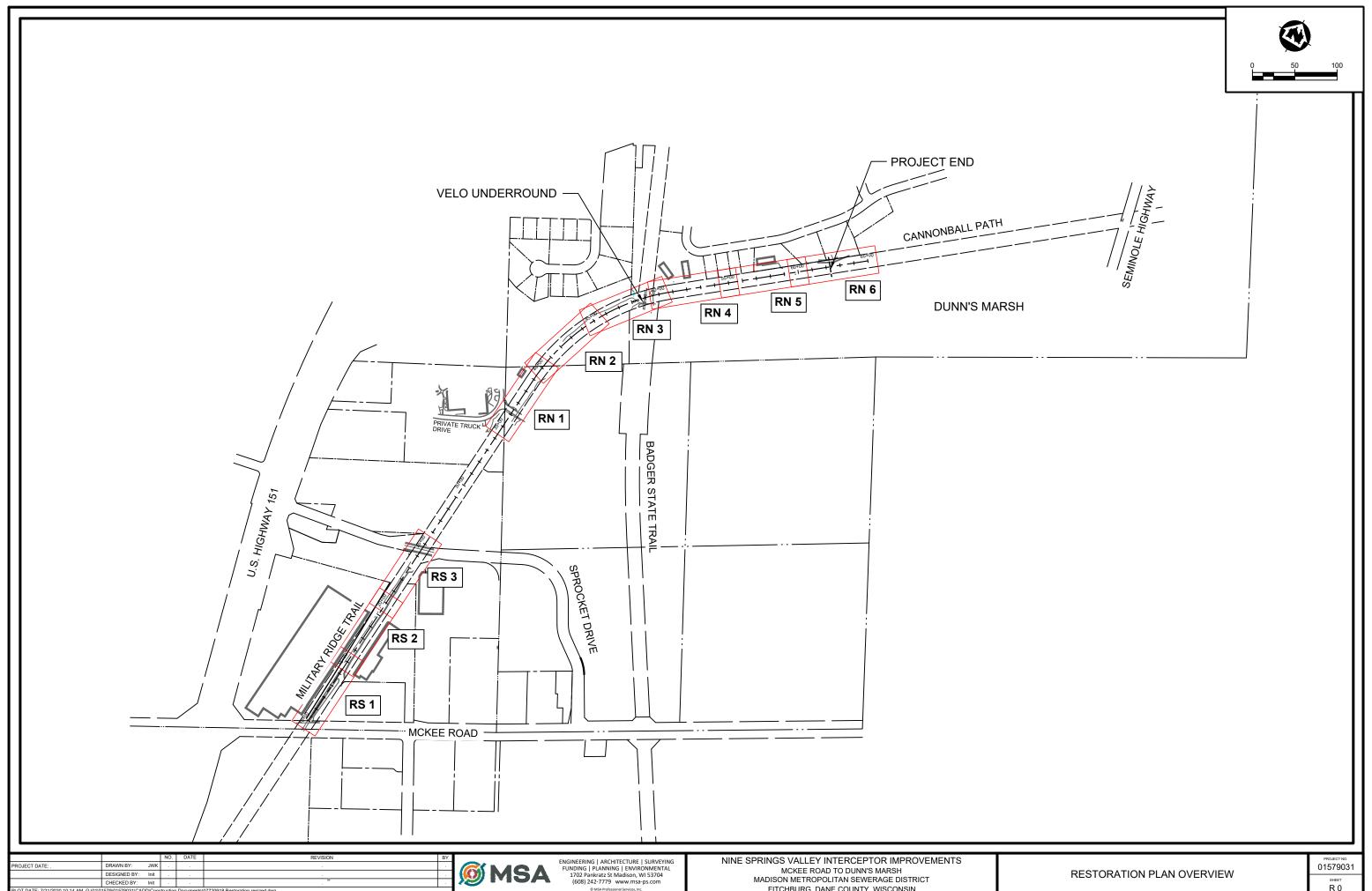








PHOTO 2: LEFT TURN AND STOP AHEAD SIGNS



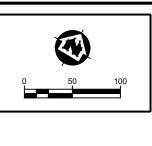
PHOTO 3: WEST MCKEE ROAD SIGN

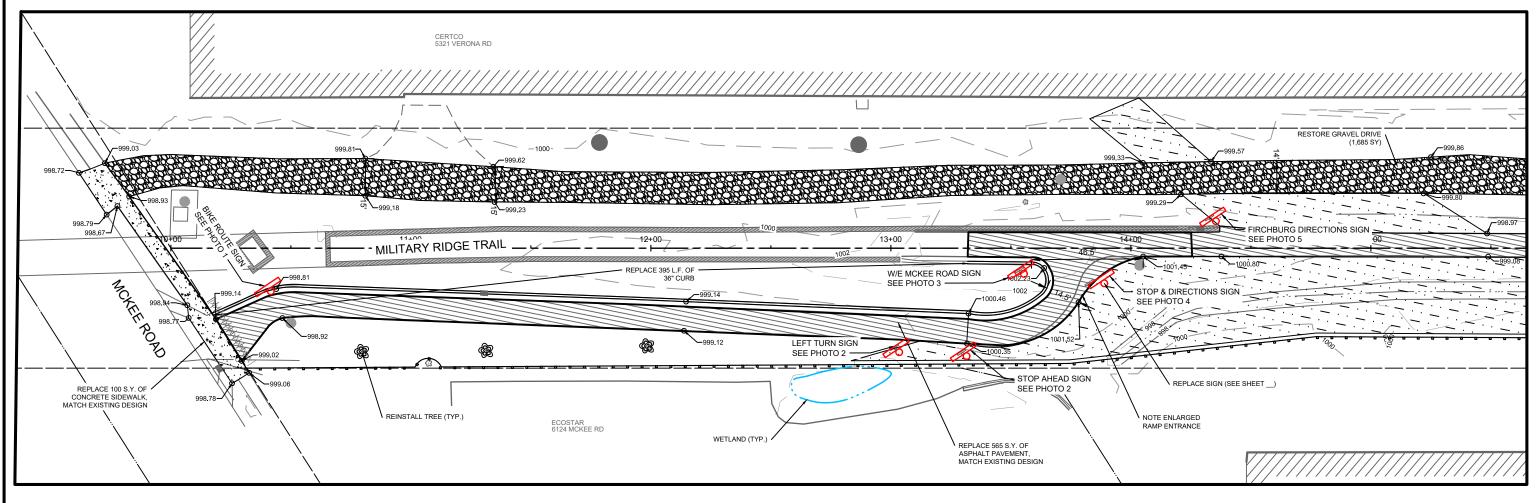


PHOTO 4: STOP AND DIRECTIONS SIGN



PHOTO 5: FITCHBURG DIRECTIONS SIGN





1) REMOVE AND SALVAGE ALL SIGNAGE TO BE INSTALLED

2) PRIOR TO REMOVING TREES CONTRACTOR SHALL CONTACT KARI DIVINE (608)622-7212 OR director@wisconsinurbanwood.org AT WISCONSIN URBAN WOOD TEN DAYS PRIOR TO ARRANGE FOR REMOVAL SPECIFICS, DONATION STORAGE, AND PICKUP.

#### **DETOURS**

\_\_\_ SILT FENCE



TRACKING PAD



APPROXIMATE TRUCK TURN AREA (INSTALL GRAVEL AND GRADE AS NEEDED)



REMOVE TREE



CLEAR AND GRUB



INLET PROTECTION



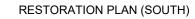


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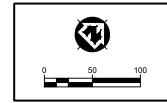
MCKEE ROAD TO DUNN'S MARSH

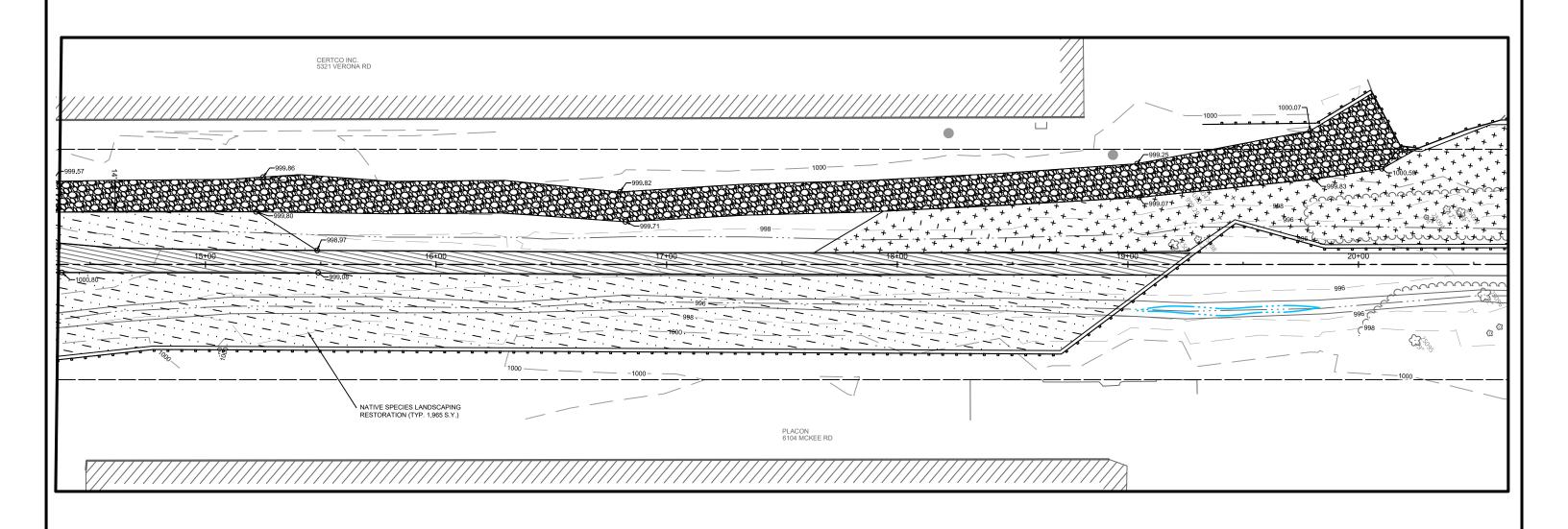
MADISON METROPOLITAN SEWERAGE DISTRICT

FITCHBURG, DANE COUNTY, WISCONSIN



PROJECT NO. 01579031 SHEET RS 1





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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS

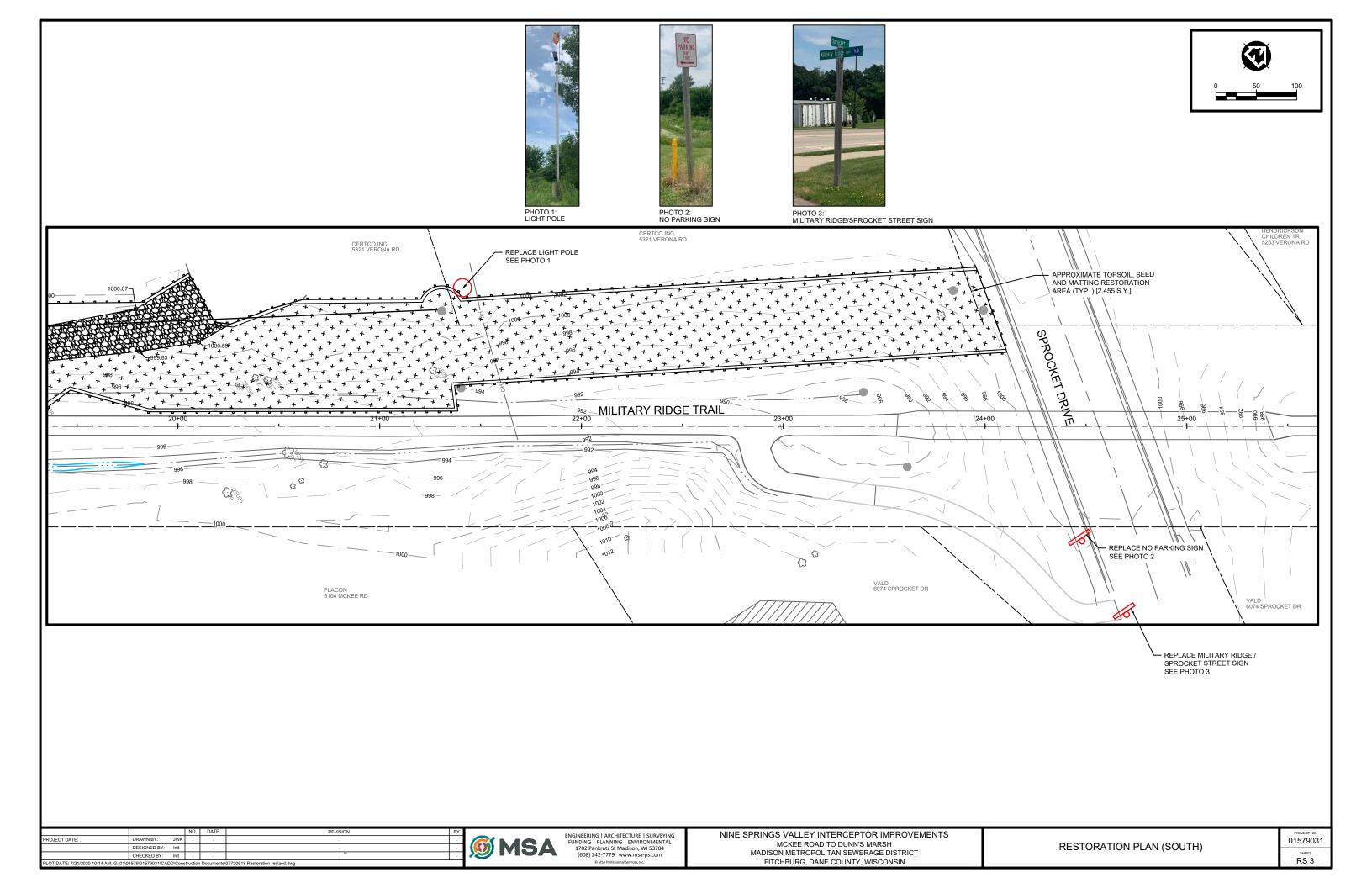
MCKEE ROAD TO DUNN'S MARSH

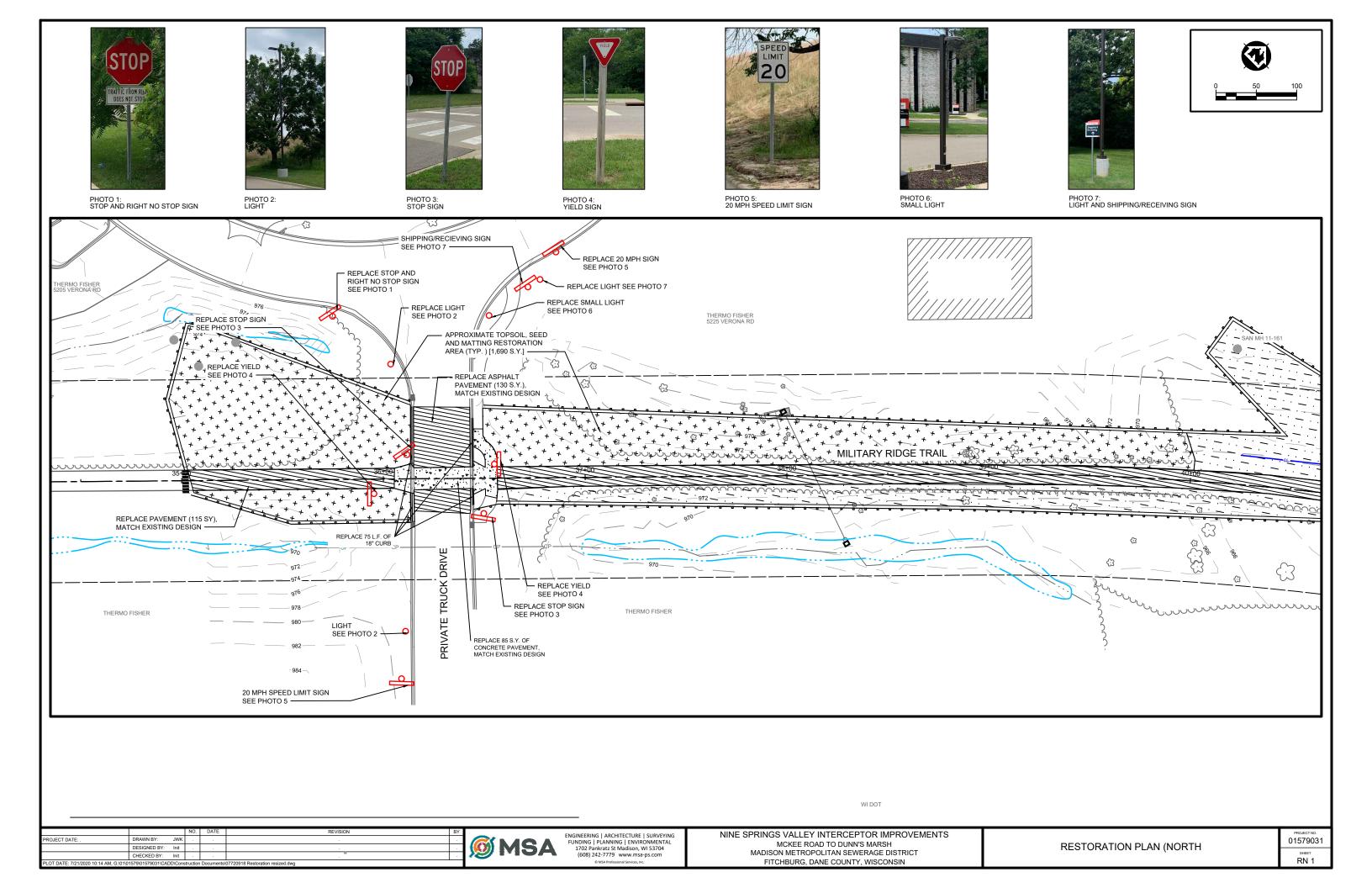
MADISON METROPOLITAN SEWERAGE DISTRICT

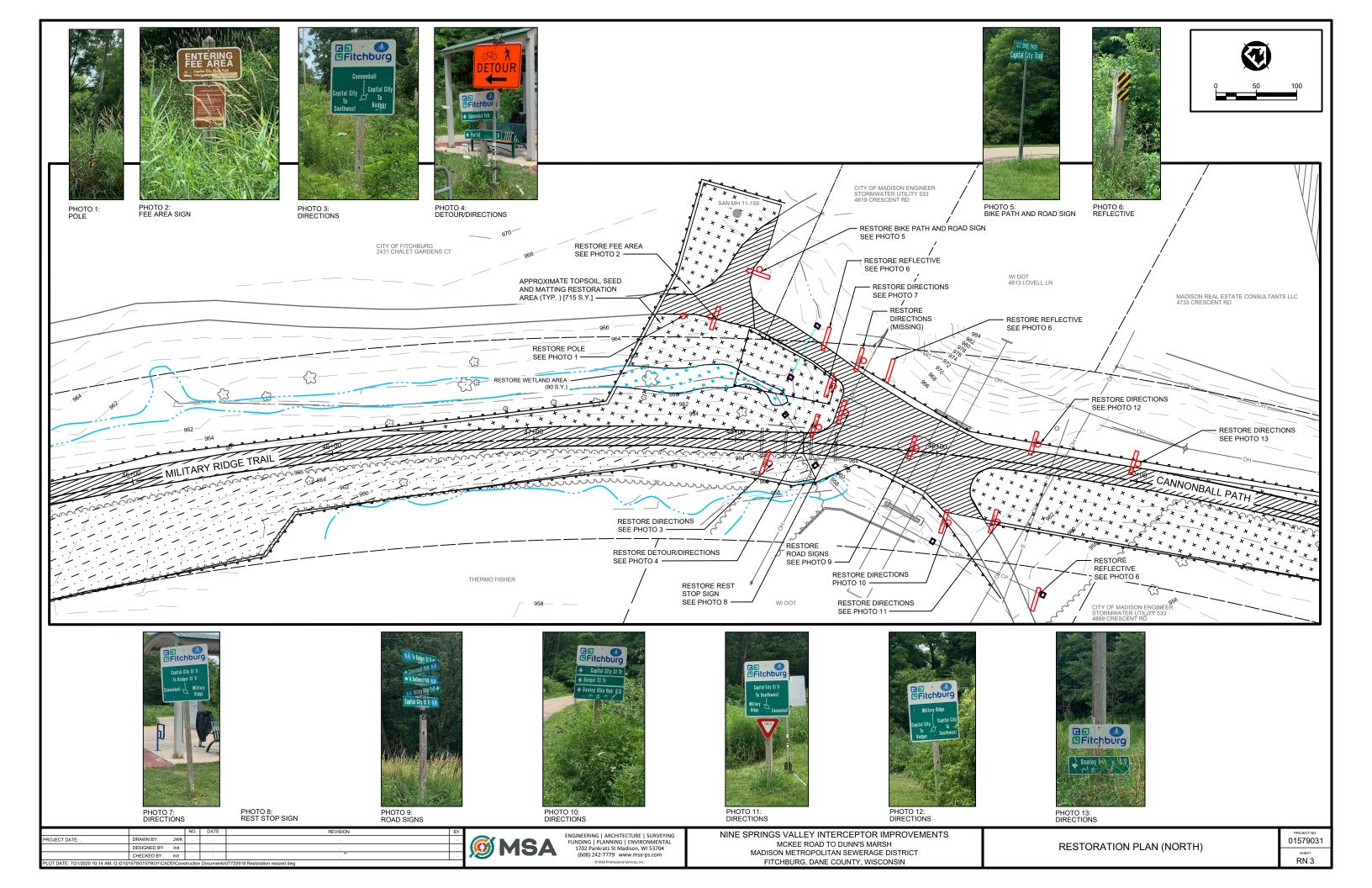
FITCHBURG, DANE COUNTY, WISCONSIN

RESTORATION PLAN (SOUTH)

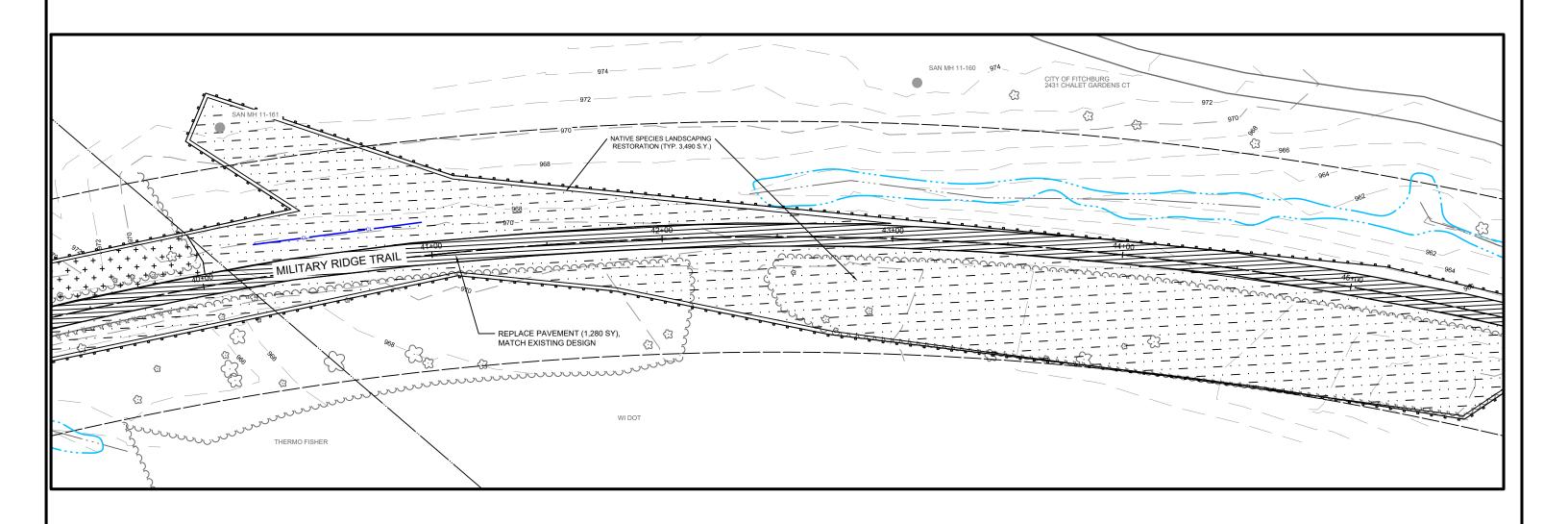
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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS

MCKEE ROAD TO DUNN'S MARSH

MADISON METROPOLITAN SEWERAGE DISTRICT

FITCHBURG, DANE COUNTY, WISCONSIN

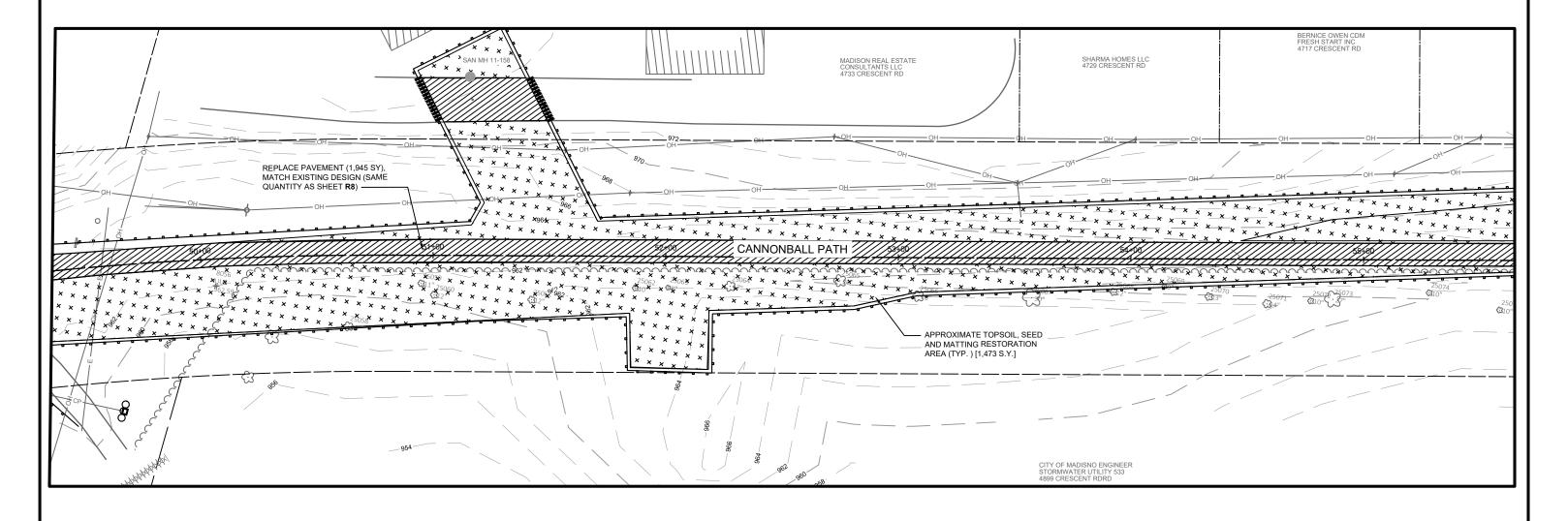
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01579031 SHEET RN 2





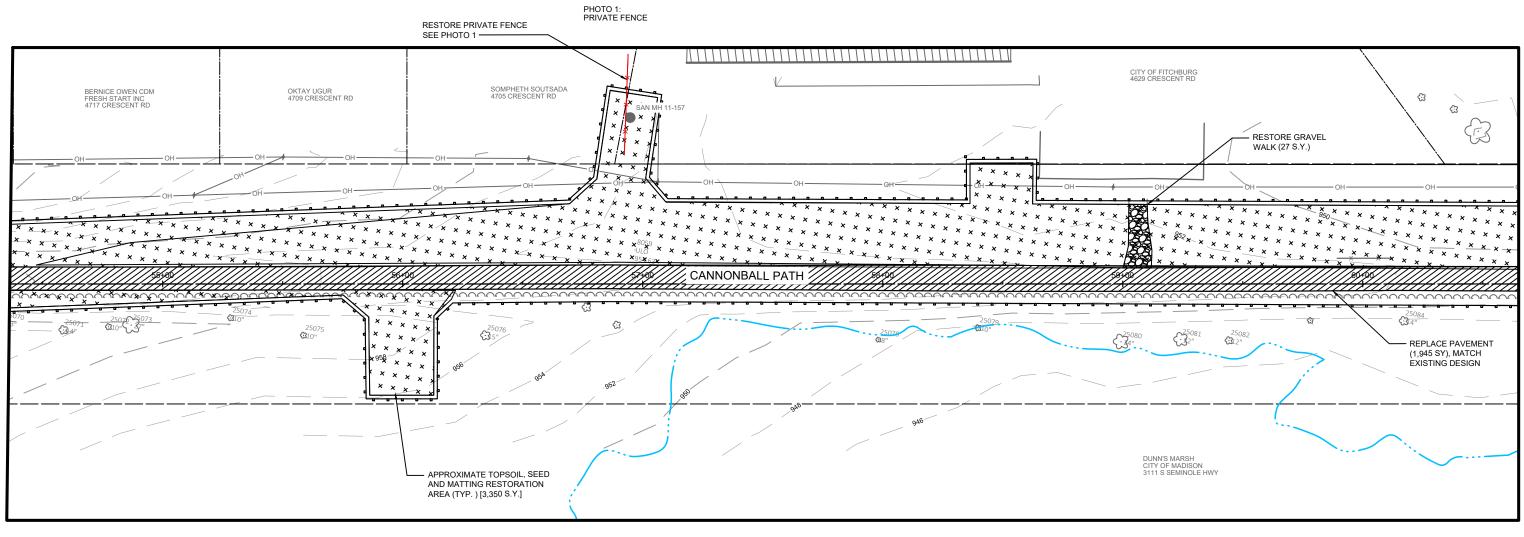
PHOTO 1: PRIVATE FENCE



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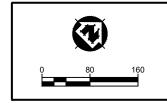


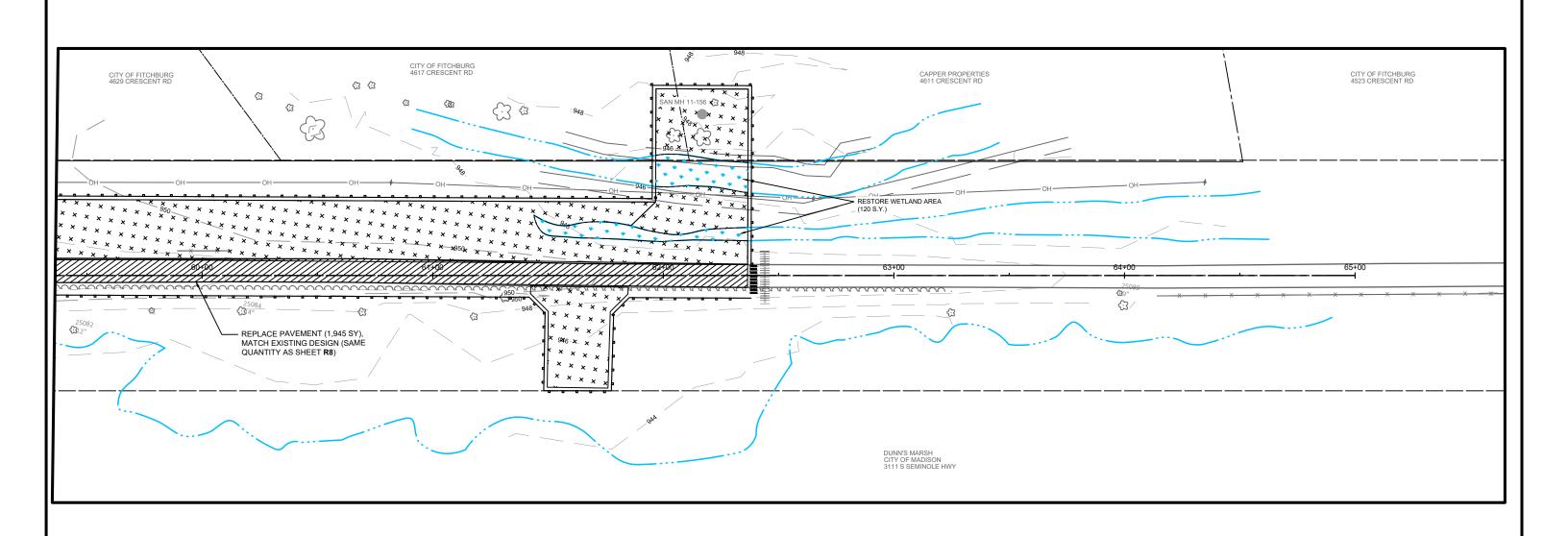
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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS MCKEE ROAD TO DUNN'S MARSH MADISON METROPOLITAN SEWERAGE DISTRICT FITCHBURG, DANE COUNTY, WISCONSIN

RESTORATION PLAN (NORTH)





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| PROJECT DATE: .                                                                                                  | DRAWN BY: JWK     |     |      | ÷          |    |  |
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NINE SPRINGS VALLEY INTERCEPTOR IMPROVEMENTS

MCKEE ROAD TO DUNN'S MARSH

MADISON METROPOLITAN SEWERAGE DISTRICT

FITCHBURG, DANE COUNTY, WISCONSIN

RESTORATION PLAN (NORTH)

01579031 SHEET RN 6